

# AB-PN676

## THRAP3-pS253 Antibody

Phosphosite-specific rabbit polyclonal antibody for THRAP3 (TRAP150). This phosphoserine-site antibody is highly specific for phosphoserine in the phosphosite.

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### Target Protein

|                                |                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Name Long:</b>      | Thyroid hormone receptor-associated protein 3                                                                                                                                                       |
| <b>Protein Alias:</b>          | T150; Thyroid hormone receptor associated protein 3; Thyroid hormone receptor associated protein 3 (TRAP150); Thyroid hormone receptor-associated protein complex 150 kDa component; TR150; TRAP150 |
| <b>UniProt ID:</b>             | Q9Y2W1                                                                                                                                                                                              |
| <b>Protein Molecular Mass:</b> | 108,666 Da (955 AA)                                                                                                                                                                                 |

### Immunogen

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| <b>Antibody Immunogen Source:</b>      | Synthetic phosphopeptide patterned after human THRAP3                                                                                                                                                                                                                                                                                      |
| <b>Antibody Immunogen Sequence:</b>    | PALK(pS)PLQ(βA)C                                                                                                                                                                                                                                                                                                                           |
| <b>Antibody Immunogen Description:</b> | Corresponds to amino acid residues P249 to Q256. The effect of S253 phosphorylation is unclear. This is one of the major sites of in vivo phosphorylation of THRAP3 (≥148 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). THRAP3 is known to be phosphorylated at this site in vitro by ERK1 (MAPK3). |
| <b>Antibody Target Type:</b>           | Phosphosite-specific                                                                                                                                                                                                                                                                                                                       |

### Production

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| <b>Antibody Host Species:</b>  | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Antibody Type:</b>          | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Antibody Isotype:</b>       | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Production Method:</b>      | The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris. |
| <b>Amount:</b>                 | 25 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Antibody Concentration:</b> | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer:</b>         | Phosphate buffered saline pH 7.4, 0.05% Thimerasol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Conditions:</b>     | For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Stability:</b>      | >2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Applications

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|---------------------------------------|------------------------------------------------------------------------|
| <b>Product Use:</b>                   | Western blotting   Antibody microarray                                 |
| <b>Antibody Dilution Recommended:</b> | 2 µg/ml for immunoblotting                                             |
| <b>Antibody Species Reactivity:</b>   | Human   Rhesus macaque   Dog   Rat   Mouse   Platypus   Chicken   Frog |

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987