

AB-NK306-2

TTBK1-NT Antibody

Pan-specific rabbit polyclonal antibody for TTBK1



KINEXUS

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Target Protein

| | |
|--------------------------------|--------------------------|
| Protein Name Long: | Tau-tubulin kinase 1 |
| Protein Alias: | Brain-derived tau kinase |
| UniProt ID: | Q5TCY1 |
| Protein Molecular Mass: | 142,737 Da (1,321 AA) |

Immunogen

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| Antibody Immunogen Source: | Synthetic peptide patterned after human TTBK1 |
| Antibody Immunogen Sequence: | CADILPANYVVKDRWKVLK |
| Antibody Immunogen Description: | Corresponds to amino acid residues A21 to K38. |
| Antibody Target Type: | Pan-specific |

Production

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| Antibody Host Species: | Rabbit |
| Antibody Type: | Polyclonal |
| Antibody Isotype: | IgG |
| Production Method: | The immunizing peptide was produced by solid phase synthesis on a multipep peptide 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. |
| Amount: | 25 µg |
| Antibody Concentration: | 0.4 mg/ml |
| Storage Buffer: | Phosphate buffered saline pH 7.4, 0.05% Thimerasol |
| Storage Conditions: | 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. |
| Storage Stability: | >2 years |

Applications

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|---------------------------------------|--|
| Product Use: | Western blotting Antibody microarray |
| Antibody Dilution Recommended: | 2 µg/ml for immunoblotting |
| Antibody Species Reactivity: | Human Rhesus macaque Mouse |
| Antibody Cross Reactivity: | |

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