

AB-NK280-1 MLK4-CT Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-serine/threonine kinase MLK4



KINEXUS

Address: 8755 Ash Street, Suite 1
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Target Protein

| | |
|---------------------------------------|---|
| Name Long: | Mixed-lineage protein-serine kinase 4 |
| Alias: | M3KL4; Mixed lineage kinase 4; KIAA1804 |
| UniProt ID: | Q5TCX8 |
| Sequence Predicted Mass (kDa): | 113.957 (1036 AA; Q5TCX8); 63.040 (570 AA; Q5TCX8-2); 52.817 (483 AA; Q5TCX8-3) |
| Observed SDS-PAGE Mass (kDa): | 95-120 |

Immunogen

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|-------------------------------------|---|
| Antibody Immunogen Source: | Human MLK4 sequence peptide Cat. No.: PE-01BEA90 |
| Antibody Immunogen Sequence: | CMRSKTSRPSIYELEKEFLS |
| Location in Target: | Corresponds to amino acid residues M1018 to S1036; C-terminus |
| Peptide Type: | For pan-specific recognition of target expression levels. |
| Target Phosphosite: | Not phosphorylated |

Production

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|--|--|
| Antibody Host Species: | Rabbit |
| Antibody Type: | Polyclonal |
| Antibody Ig Isotype Clone Lot: | Immunoglobulin G |
| Production Method: | The immunizing peptide was produced by solid phase synthesis on a multipепeptide 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 each animal 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. |
| Antibody Amount: | 25 µg |
| Antibody Concentration: | 0.5 mg/ml |
| Lot Number: | 160630 |
| Storage Buffer: | Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol |
| Storage Conditions and Stability: | 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. |

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Applications

| | |
|---------------------------------------|---|
| Product Use: | Western blotting Antibody microarrays |
| Antibody Dilution Recommended: | 2 µg/ml for immunoblotting |
| Antibody Species Reactivity: | Human, mouse, rat and many other mammals |
| Overall Antibody Specificity: | Very high selectivity |
| Antibody Cross Reactivities: | No significant cross-reactivities detected in various human cancer cell lines, including A431, HEK-293, HeLa, HepG2, Jurkat and MCF7 cells. No significant cross-reactive proteins detected in diverse mouse tissues, except a medium ~30 KDa protein in mouse brain. |

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)