

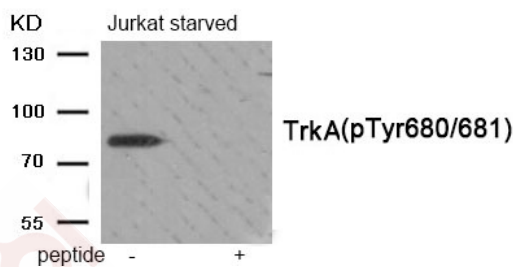
Anti-Phospho-TrkA (Tyr680/681) Polyclonal Antibody

Product Details

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|-------------------|--|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 87 kDa. |
| Purification: | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |

Applications

Verified Activity: 1. Western blot analysis of extracts from Jurkat cells treated with starved using Phospho-Trk A (Tyr680/Tyr681) antibody TMAC-04121. The lane on the right is treated with the antigen-specific peptide.



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| Application: | WB |
| Recommended | WB: 1:500-1000 |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Peptide sequence around phosphorylation site of tyrosine 680/tyrosine 681 (T-D-Y(p)-Y(p)-R-V) derived from Human Trk A |
| Antigen Species: | Human |
| Uniprot ID: | P04629 |
| Synonyms: | TrkA (p-Tyr680/681);p-TrkA (Y680/681);TrkA (p-Y680/681);p-TrkA (Tyr680/681) |

Research Background

Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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