

JIK (TAOK3) Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP7012c**Specification**

JIK (TAOK3) Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9H2K8](#)**JIK (TAOK3) Antibody (Center) Blocking peptide - Additional Information****Gene ID** 51347**Other Names**

Serine/threonine-protein kinase TAO3, Cutaneous T-cell lymphoma-associated antigen HD-CL-09, CTCL-associated antigen HD-CL-09, Dendritic cell-derived protein kinase, JNK/SAPK-inhibitory kinase, Jun kinase-inhibitory kinase, Kinase from chicken homolog A, hKFC-A, Thousand and one amino acid protein 3, TAOK3, DPK, JIK, KDS, MAP3K18

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7012c](/product/products/AP7012c) was selected from the Center region of human TAOK3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

JIK (TAOK3) Antibody (Center) Blocking peptide - Protein Information**Name** TAOK3**Synonyms** DPK, JIK, KDS, MAP3K18**Function**

Serine/threonine-protein kinase that acts as a regulator of the p38/MAPK14 stress-activated MAPK cascade and of the MAPK8/JNK cascade. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. Inhibits basal activity of MAPK8/JNK cascade and diminishes its activation in response epidermal growth factor (EGF).

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein. Note=Also localized to the peripheral cell membrane

Tissue Location

Ubiquitously expressed at a low level, and highly expressed in peripheral blood leukocytes (PBLs), thymus, spleen, kidney, skeletal muscle, heart and liver.

JK (TAOK3) Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

JK (TAOK3) Antibody (Center) Blocking peptide - Images**JK (TAOK3) Antibody (Center) Blocking peptide - Background**

TAOK3 is negatively regulated by epidermal growth factor (EGF) and inhibits the basal activity of Jun kinase. When TAOK3 is overexpressed, it may activate ERK1/ERK2 and JNK/SAPK.

JK (TAOK3) Antibody (Center) Blocking peptide - References

Hartmann,T.B.,Br. J. Dermatol. 150 (2), 252-258 (2004)Yustein,J.T.,Oncogene 22 (40), 6129-6141 (2003)Yoneda,T.,J. Biol. Chem. 276 (17), 13935-13940 (2001)Zhang,W.,Biochem. Biophys. Res. Commun. 274 (3), 872-879 (2000)