

TAOK3 / JIK Antibody (Internal) Goat Polyclonal Antibody Catalog # ALS12286

Specification

TAOK3 / JIK Antibody (Internal) - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB, IHC <u>O9H2K8</u> Human, Rabbit, Pig, Horse, Bovine Goat Polyclonal 105kDa KDa

TAOK3 / JIK Antibody (Internal) - Additional Information

Gene ID 51347

Other Names

Serine/threonine-protein kinase TAO3, 2.7.11.1, 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 Human TAOK3.

Reconstitution & Storage Store at -20°C. Minimize freezing and thawing.

Precautions TAOK3 / JIK Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

TAOK3 / JIK Antibody (Internal) - 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.

TAOK3 / JIK Antibody (Internal) - Protocols

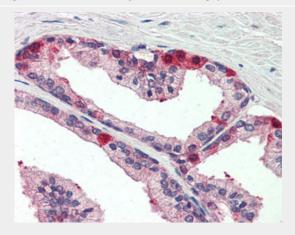
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

TAOK3 / JIK Antibody (Internal) - Images



Antibody (0.1 ug/ml) staining of human liver lysate (35 ug protein in RIPA buffer).



Anti-TAOK3 antibody IHC of human prostate. TAOK3 / JIK Antibody (Internal) - Background



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).

TAOK3 / JIK Antibody (Internal) - References

Tassi E.,et al.J. Biol. Chem. 274:33287-33295(1999). Zhang W.,et al.Biochem. Biophys. Res. Commun. 274:872-879(2000). Yustein J.T.,et al.Oncogene 22:6129-6141(2003). Carter T.G.,et al.Submitted (AUG-1999) to the EMBL/GenBank/DDBJ databases. Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.