

Rabbit TAOK3 Polyclonal Antibody | anti-TAOK3 antibody

TAOK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325321	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TAOK3; Polyclonal Antibody; TAOK3 Antibody; CTCL tumor antigen HD CL 09; CTCL-associated antigen HD-CL-09; Cutaneous T cell lymphoma tumor antigen HD CL 09; Cutaneous T-cell lymphoma-associated antigen HD-CL-09; Dendritic cell derived protein kinase; Dendritic cell-derived protein kinase; DKFZp666H245; DPK; FLJ31808; hKFC A; hKFC-A; JIK; JNK/SAPK inhibitory kinase; JNK/SAPK-inhibitory kinase; Jun kinase inhibitory kinase; Jun kinase-inhibitory kinase; KDS; Kinase from chicken homolog A; MAP3K18; Serine kinase; Serine/threonine-protein kinase TAO3; STE20 like kinase; TAO kinase 3; TAOK3_HUMAN; Thousand and one amino acid protein 3; anti-TAOK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TAOK3 antibody detects endogenous levels of total TAOK3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	898
Applicable Applications for anti-TAOK3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Cell Membrane. Also localized to the peripheral cell membrane.
Tissue Specificity	Ubiquitously expressed at a low level, and highly expressed in peripheral blood leukocytes (PBLs), thymus, spleen, kidney, skeletal muscle, heart and liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (93%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from K562 cells, using TAOK3 antibody.



IF (Immunofluorescence)
AAA325321 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TAOK3 antibody	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). Subunit Structure: Self-associates. Interacts with ERN1 and TRAF2. Interaction with TRAF2 is facilitated under ER stress conditions, such as treatment with tunicamycin, and may promote TRAF2 phosphorylation. Post-translational Modifications: Autophosphorylated. Phosphorylation at Ser-324 by ATM following DNA damage is required for activation of the p38/MAPK14 stress-activated MAPK cascade. Phosphorylated by LRRK2. Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1080078670
NCBI GeneID	51347
NCBI Accession #	NP_001333417.1
NCBI GenBank Nucleotide #	NM_001346488.1
UniProt Accession #	Q9H2K8; Q658N1; Q8IUM4; Q9HC79; Q9NZM9; Q9UHG7
Molecular Weight	Observed: 110 kD Predicted: 106 kDa
NCBI Official Full Name	serine/threonine-protein kinase TAO3 isoform b
NCBI Official Synonym Full Names	TAO kinase 3
NCBI Official Symbol	TAOK3
NCBI Official Synonym Symbols	DPK; JIK; hKFC-A; MAP3K18
NCBI Protein Information	serine/threonine-protein kinase TAO3
UniProt Protein Name	Serine/threonine-protein kinase TAO3
UniProt Gene Name	TAOK3
UniProt Synonym Gene Names	DPK; JIK; KDS; MAP3K18; CTCL-associated antigen HD-CL-09; hKFC-A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.