Anti-TAOK3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R016141

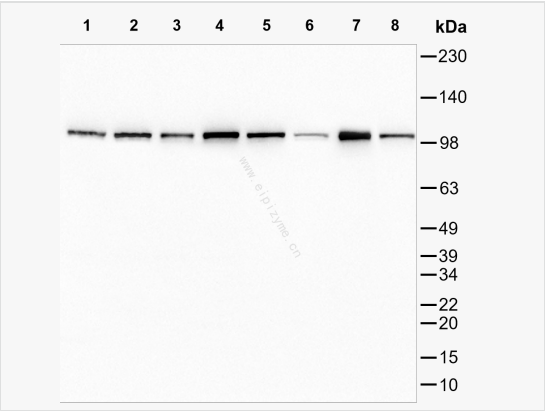
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	55J70Q58
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TAOK3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TAOK3 Rabbit mAb [55J70Q58] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	DPK; JIK; MAP3K18; hKFC-A; 2900006A08Rik; A130052D22; A430105I05Rik; CR201_G0000965; XELAEV_18007900mg; taok3; TAOK3_HUMAN; 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; 2.7.11.1; KDS; Q9HC79_HUMAN; TAOK3_MOUSE; TAOK3_PONAB; TAOK3_RAT; Axotomy-related gene 357 protein; Arg357; TAOK3_XENLA.
Calculated MW	Calculated MW: 105 kDa; Observed MW: 105 kDa
Uniprot ID	Q9HC79, Q8BYC6, Q53UA7
Gene ID	51347, 330177, 304530
Background	The protein encoded by this gene is a serine/threonine protein kinase that activates the p38/MAPK14 stress-activated MAPK cascade but inhibits the basal activity of the MAPK8/JNK cascade. The encoded protein is a member of the GCK subfamily of STE20-like kinases. [provided by RefSeq, Oct 2016] Predicted to enable protein serine/threonine kinase activity. Predicted to be involved in several processes, including intracellular signal transduction; protein autophosphorylation; and regulation of MAPK cascade. Predicted to be active in cytoplasm. Is expressed in cerebral cortex ventricular layer; cortical plate; and renal vasculature. Orthologous to human TAOK3 (TAO kinase 3). [provided by Alliance of Genome Resources, Apr 2025] Predicted to enable protein serine/threonine kinase activity. Predicted to be involved in several processes, including intracellular signal transduction; protein autophosphorylation; and regulation of MAPK cascade. Predicted to be active in cytoplasm. Orthologous to human TAOK3 (TAO kinase 3). [provided by Alliance of Genome Resources, Apr 2025]
Cellular Location	Cytoplasm Cell membrane Peripheral membrane protein Also localized to the peripheral cell membrane.

Validation Images



Western Blot - Anti-TAOK3 Rabbit mAb [55J70Q58]
All lanes: R016141 at 1:2,000 dilution
Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates
Lane 2: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates
Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 4: THP-1 (Human monocytic leukemia cell) whole cell lysates
Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 6: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 7: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 8: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 105 kDa
Observed band size: 105 kDa
Developed using the ECL technique (Cat. No. SQ201).