Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015917

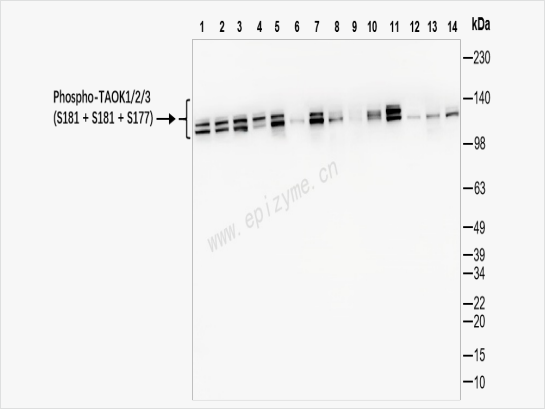
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	58A29J28
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-TAOK1/2/3 (S181 + S181 + S177)
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-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit mAb [58A29J28] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	KIAA0881; MAP3K17; PSK; PSK1; UNQ2971/PRO7431; TAOK2; Serine/threonine-protein kinase TAO2; Kinase from chicken homolog C; Prostate-derived sterile 20-like kinase 1; Thousand and one amino acid protein kinase 2; hKFC-C; PSK-1; Prostate-derived STE20-like kinase 1; KIAA1361; MAP3K16; MARKK; TAOK1; Serine/threonine-protein kinase TAO1; Kinase from chicken homolog B; MARK Kinase; Prostate-derived sterile 20-like kinase 2; Thousand and one amino acid protein kinase 1; hKFC-B; PSK-2; PSK2; Prostate-derived STE20-like kinase 2; hTAOK1; DPK; JIK; KDS; MAP3K18; TAOK3; Serine/threonine-protein kinase TAO3; Cutaneous T-cell lymphoma-associated antigen HD-CL-09; Dendritic cell-derived protein kinase; JNK/SAPK-inhibitory kinase; Jun kinase-inhibitory kinase; Kinase from chicken homolog A; Thousand and one amino acid protein 3; CTCL-associated antigen HD-CL-09; hKFC-A.
Calculated MW	Calculated MW: 116 kDa; Observed MW: 110-140 kDa
Uniprot ID	Q7L7X3, Q9UL54, Q9H2K8
Gene ID	57551, 9344, 51347
Background	TAOK1: Enables alpha-tubulin binding activity; beta-tubulin binding activity; and kinase activity. Involved in several processes, including mitotic G2 DNA damage checkpoint signaling; negative regulation of microtubule depolymerization; and positive regulation of MAPK cascade. Located in several cellular components, including microtubule cytoskeleton; nuclear body; and perinuclear region of cytoplasm. [provided by Alliance of Genome Resources, Jul 2025] TAOK2: Enables mitogen-activated protein kinase kinase binding activity; neuropilin binding activity; and protein serine/threonine kinase activity. Involved in several processes, including focal adhesion assembly; intracellular signal transduction; and positive regulation of MAPK cascade.

Validation Images



Western Blot - Anti-Phospho-TAOK1/2/3 (Ser181/Ser181/Ser177) Rabbit mAb [58A29J28]
All lanes: R015917 at 1:1,000 dilution
Lane 1: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates
Lane 2: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 3: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 4: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 6: Mouse liver whole tissue lysates
Lane 7: Mouse liver whole tissue lysates (LPS stimulated)
Lane 8: Mouse spleen whole tissue lysates
Lane 9: Mouse spleen whole tissue lysates (LPS stimulated)
Lane 10: Mouse embryo-like whole tissue lysates
Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 12: Rat liver whole tissue lysates
Lane 13: Rat spleen whole tissue lysates
Lane 14: Rat lymphoid whole tissue 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: 116 kDa
Observed band size: 110-140 kDa
Developed using the ECL technique (Cat. No. SQ201).