Anti-Phospho-MSK1 (Ser360) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R012707

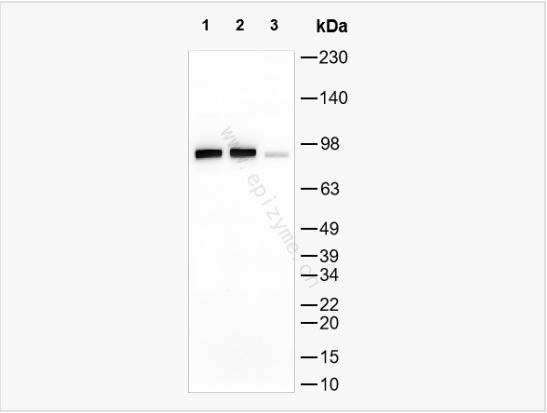
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	78K01M42
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser360 of human MSK1
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-MSK1 (Ser360) Rabbit mAb [78K01M42] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	RPS6KA5 | MSK1 (p-S360); p-MSK1; phospho-MSK1; MSK1; MSPK1; RLPK; 3110005L17Rik; 6330404E13Rik; RLSK; S6K-alpha-5; KS6A5_HUMAN; RPS6KA5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase (RSKL); 2.7.11.1; KS6A5_MOUSE; RSK-like protein kinase (RLSK).
Calculated MW	Calculated MW: 90 kDa; Observed MW: 90 kDa
Uniprot ID	O75582
Gene ID	9252
Background	Serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factors RELA, STAT3 and ETV1/ER81, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. Phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin.
Cellular Location	Nucleus Cytoplasm Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid.
Tissue Location	Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver.

Validation Images



Western Blot - Anti-Phospho-MSK1 (Ser360) Rabbit mAb [78K01M42]
All lanes: R012707 at 1:2,000 dilution
Lane 1: THP-1 (Human monocytic leukemia cell) whole cell lysates
Lane 2: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 3: Raw264.7 (Mouse mononuclear macrophage leukemia 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: 90 kDa
Observed band size: 90 kDa
Developed using the ECL technique (Cat. No. SQ201).