Anti-Phospho-MSK1 (Ser360) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015305

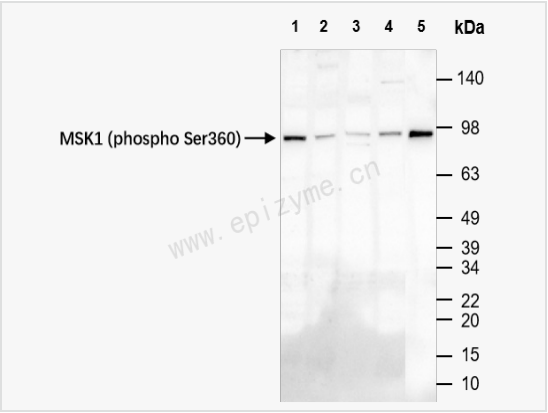
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; IHC-P 1:200~1:1,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	65X84P97
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 0.01% 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 [65X84P97] is for research use only and not for use in diagnostic or therapeutic procedures.

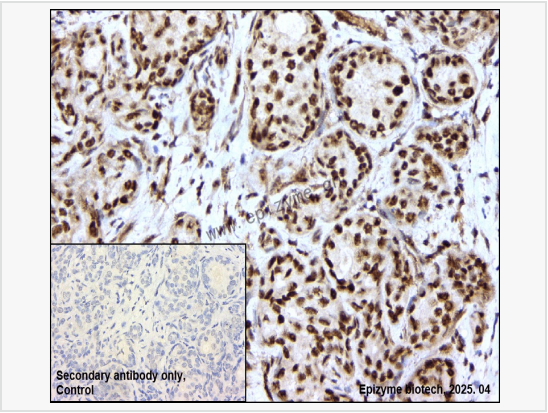
Protein Information

Synonyms	90 kDa ribosomal protein S6 kinase 5; EC 2 7 11 1; KS6A5 HUMAN; MGC1911; Mitogen and stress activated protein kinase 1; MSPK1; Nuclear Mitogen And Stress Activated Protein Kinase 1; Nuclear mitogen and stress activated protein kinase 1; Ribosomal protein S6 kinase 90kD polypeptide 5; Ribosomal protein S6 kinase 90kDa; Ribosomal protein S6 kinase 90kDa polypeptide 5; Ribosomal Protein S6 Kinase Alpha 5; Ribosomal protein S6 kinase alpha 5; RLPK; RPS6KA5; RSK Like Protein Kinase; RSK like protein kinase; RSKL; S6K alpha 5; S6K alpha 5.
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. Partially cytoplasmic.
Tissue Location	Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver.

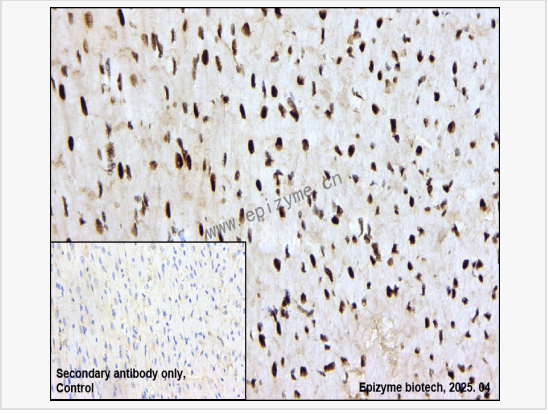
Validation Images



Western Blot - Anti-Phospho-MSK1 (Ser360) Rabbit mAb [65X84P97]
All lanes: R015305 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 5: 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: 90 kDa
Observed band size: 90 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-MSK1 (Ser360) Rabbit mAb [65X84P97]
Sample: Paraformaldehyde-fixed, paraffin embedded rat heart tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015305 at 1:600 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-MSK1 (Ser360) Rabbit mAb [65X84P97]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015305 at 1:600 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.