

## Anti-Phospho-MSK1 (Ser376) Rabbit mAb

Purified Rabbit Monoclonal Antibody

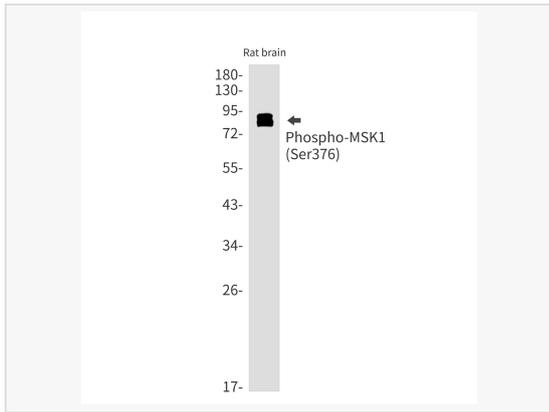
Catalog # R012080

### Product Information

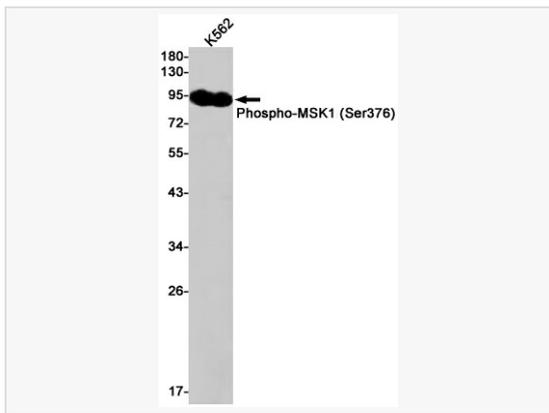
Application	IP, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Human, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	82L61K08
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser376 of human MSK1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
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 (Ser376) antibody [82L61K08] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

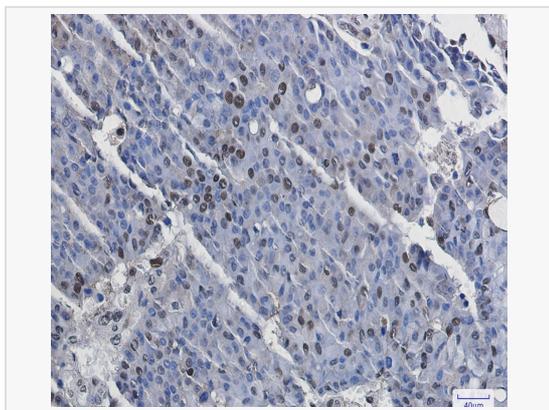
Synonyms	RPS6KA5, MSK1, Ribosomal protein S6 kinase alpha-5, S6K-alpha-5, 90 kDa ribosomal protein S6 kinase 5, Nuclear mitogen- and stress-activated protein kinase 1, RSK-like protein kinase, RSKL.
Calculated MW	Calculated MW: 90 kDa; Observed MW: 90 kDa
Uniprot ID	O75582
Gene ID	9252
Background	Serine/threonine-protein 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.



Western blot analysis of Phospho-MSK1 (Ser376) in rat brain lysates using Phospho-MSK1 (Ser376) antibody.



Western blot analysis of Phospho-MSK1 (Ser376) in K562 lysates using Phospho-MSK1 (Ser376) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using MSK1 (Phospho-Ser376) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.