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**Product Name: Phospho-MSK1 (Ser376) Rabbit Monoclonal Antibody****Catalog #: AMRe02277**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 90 kDa; Observed MW: 90 kDa

**Antigen Information**

<b>Gene Name</b>	RPS6KA5 RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal
<b>Alternative Names</b>	protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL
<b>Gene ID</b>	9252
<b>SwissProt ID</b>	O75582
<b>Immunogen</b>	A synthetic Phosphorylated peptide corresponding to residues target protein

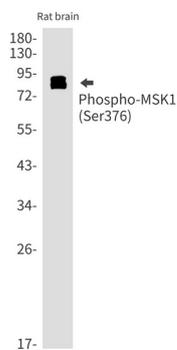
**Background**

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.

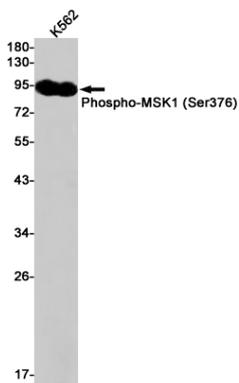
## Research Area

Signal Transduction

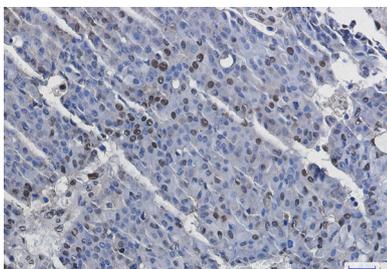
## Image Data



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.