

Datasheet for ABIN743978
anti-MSK1 antibody (pSer360)[Go to Product page](#)

2 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | MSK1 (RPS6KA5) |
| Binding Specificity: | pSer360 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MSK1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

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|-----------------------|---|
| Immunogen: | KLH conjugated synthetic phosphopeptide derived from human MSK1 around the phosphorylation site of Ser360 [TY(p-S)PA] |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat |
| Predicted Reactivity: | Human,Dog,Cow,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|---------|----------------|
| Target: | MSK1 (RPS6KA5) |
|---------|----------------|

Target Details

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|-------------------|--|
| Alternative Name: | MSK1 (RPS6KA5 Products) |
| Background: | <p>Synonyms: MSK1 phospho S360, MSK1 Ser360, MSK1 S360, p-MSK1 Ser360, Pp-MSK1 S360, MSK1, RPS6KA5, 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 90 kDa, Ribosomal protein S6 kinase 90 kDa polypeptide 5, Ribosomal Protein S6 Kinase Alpha 5, Ribosomal protein S6 kinase alpha-5, RLPK, RSK Like Protein Kinase, RSK-like protein kinase, RSKL, S6K alpha 5, S6K-alpha-5.</p> <p>Background: MSK1 is a mitogen and stress activated protein kinase 1 which belongs to the AGC family of kinases and is related in structure to the ribosomal p70 S6 kinase subfamily. MSK1 can be activated by ERK1/2 and SAPK2/p38 MAP kinase. It is also known to be required for the phosphorylation of CREB, ATF1 H3 and HMG14 in response to mitogen and stress. Similar to RSK, MSK1 contains two kinase domains (N term and a C term). Once phosphorylated on Thr581 and Ser360 by ERK1/2 and SAPK2/p38, MSK1 autophosphorylate on at least 5 sites. Of these autophosphorylation sites Ser212 and Ser376 get phosphorylated by the C terminal kinase domain of MSK1 which is essential for the catalytic activity of the N terminal kinase domain.</p> |
| Gene ID: | 9252 |
| Pathways: | MAPK Signaling , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades |

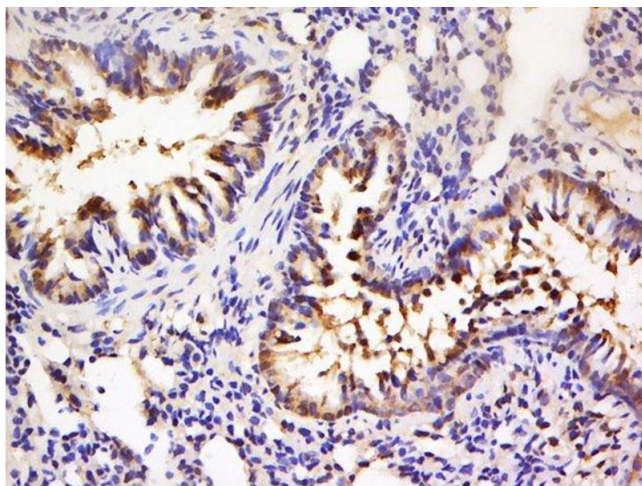
Application Details

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| Application Notes: | WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

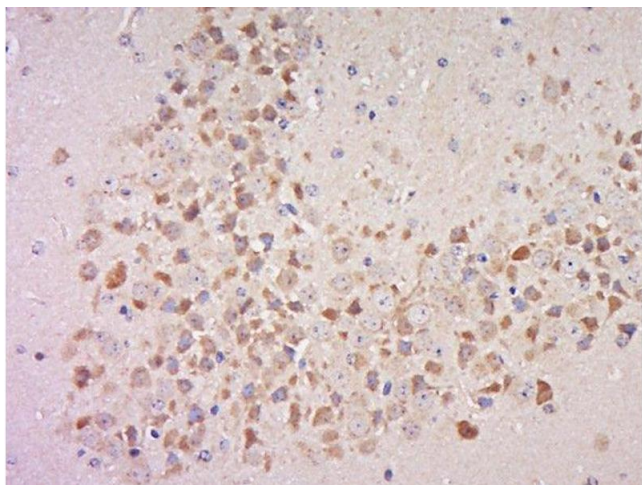
| | |
|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat lung, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-MSK1 (Ser360) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary for 90 minutes and DAB staining.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded mouse brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-MSK1 (Ser360) Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary for 90 minutes and DAB staining.