

Datasheet for ABIN7601238
anti-MSK2 antibody (AA 302-772)



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Overview

Quantity:	100 µg
Target:	MSK2 (RPS6KA4)
Binding Specificity:	AA 302-772
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-MSK2/RSK-B/RPS6KA4 Antibody Picoband®
Immunogen:	E.coli-derived human MSK2/RSK-B/RPS6KA4 recombinant protein (Position: Q302-S772).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MSK2/RSK-B/RPS6KA4 Antibody Picoband® (ABIN7601238). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MSK2 (RPS6KA4)
Alternative Name:	RPS6KA4 (RPS6KA4 Products)
Background:	Synonyms: Spermine oxidase, Polyamine oxidase 1, PAO-1, PAOh1, Smox, Smo Tissue Specificity: Widely expressed. Isoform 1 and isoform 2 are expressed at higher level in brain and skeletal muscle. Isoform 7 is found in brain and spleen, isoform 10 is widely expressed but found at lower level in heart, kidney, liver and lung. Background: Ribosomal protein S6 kinase alpha-4 is an enzyme that in humans is encoded by the RPS6KA4 gene. This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and ATF1. The encoded protein can also phosphorylate histone H3 to regulate certain inflammatory genes. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	86 kDa
Gene ID:	8986
UniProt:	O75676

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Deak, M., Clifton, A. D., Lucocq, J. M., Alessi, D. R. Mitogen- and stress-activated protein kinase-1 (MSK1) is ly activated by MAPK and SAPK2/p38, and may mediate activation of CREB. EMBO J. 17: 4426-4441, 1998. 2. Gross, M. B. Personal Communication. Baltimore, Md. 5/14/2014. 3. Pierrat, B., Correia, J. S., Mary, J.-L., Tomas-Zuber, M., Lesslauer, W. RSK-B, a novel ribosomal S6 kinase family member, is a CREB kinase under dominant control of p38-alpha mitogen-activated protein kinase (p38-alpha-MAPK). J. Biol. Chem. 273: 29661-29671, 1998.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.