

Rabbit MPS1 Polyclonal Antibody | anti-RPS27 antibody

Anti-MPS1 Antibody

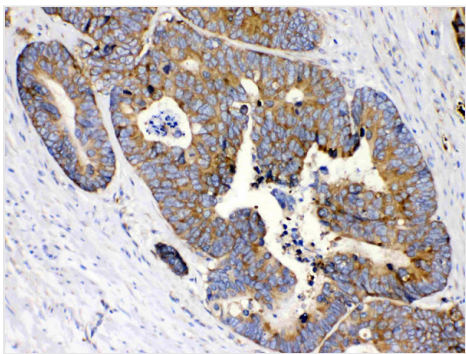
CATALOG # AAA46846	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

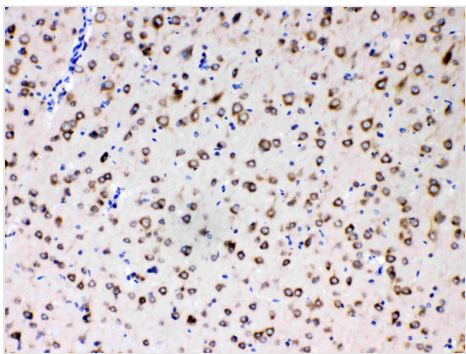
MPS1; Polyclonal Antibody; Anti-MPS1 Antibody; Metallopan stimulin 1; Metallopan-stimulin 1; Metallopanstimulin 1; Metallopanstimulin1; MPS-1; MPS 1; pmn; rps27; S27; P42677; 40S ribosomal protein S27; ribosomal protein S27; anti-RPS27 antibody

PRODUCT SPECIFICATIONS

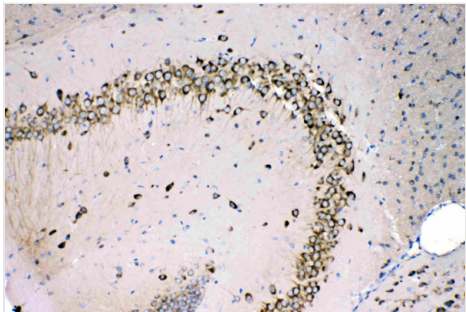
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	84
Applicable Applications for anti-RPS27 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human MPS1 recombinant protein (Position: P2-H84). Human MPS1 shares 100% amino acid (aa) sequence identity with both mouse and rat MPS1.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



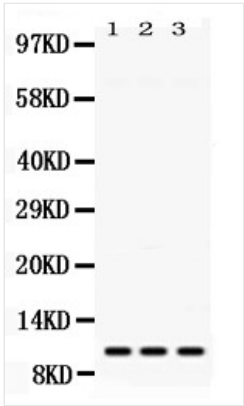
IHC (Immunohistochemistry)
MPS1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- MPS1 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
MPS1 was detected in paraffin-embedded sections of rat brain tissues using rabbit anti- MPS1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
MPS1 was detected in paraffin-embedded sections of mouse brain tissues using rabbit anti- MPS1 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of MPS1 expression in rat spleen extract (lane 1), mouse liver extract (lane 2) and HELA whole cell lysates (lane 3). MPS1 at 10KD was detected using rabbit anti- MPS1 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS27 antibody	Rabbit IgG polyclonal antibody for 40S ribosomal protein S27(RPS27) detection. Background: 40S ribosomal protein S27, also known as metallopan-stimulin 1 or MPS-1, is a protein that in humans is encoded by the RPS27 gene. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S27E family of ribosomal proteins. It contains a C4-type zinc finger domain that can bind to zinc. The encoded protein has been shown to be able to bind to nucleic acid. It is located in the cytoplasm as a ribosomal component, but it has also been detected in the nucleus. Studies in rat indicate that ribosomal protein S27 is located near ribosomal protein S18 in the 40S subunit and is covalently linked to translation initiation factor eIF3. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
References	1. Fernandez-Pol JA (1996). "Metallopanstimulin as a novel tumor marker in sera of patients with various types of common cancers: implications for prevention and therapy". <i>Anticancer Research</i> 16 (4B): 2177-85. 2. Tsui SK, Lee SM, Fung KP, Waye MM, Lee CY (Oct 1996). "Primary structures and sequence analysis of human ribosomal proteins L39 and S27". <i>Biochemistry and Molecular Biology International</i> 40 (3): 611-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506711
NCBI GeneID	6232

NCBI Accession #	NP_001021.1
NCBI GenBank Nucleotide #	NM_001030.4
UniProt Accession #	P42677; Q5T4L6
Molecular Weight	9,461 Da
NCBI Official Full Name	40S ribosomal protein S27
NCBI Official Synonym Full Names	ribosomal protein S27
NCBI Official Symbol	RPS27
NCBI Official Synonym Symbols	S27; MPS1; MPS-1
NCBI Protein Information	40S ribosomal protein S27
UniProt Protein Name	40S ribosomal protein S27
UniProt Gene Name	RPS27
UniProt Synonym Gene Names	MPS1; MPS-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mps1-antibody-immunohistochemistry-western-blot-elisa/46846>