

MTSS1 Polyclonal Antibody

Catalog NumberPA5-23200

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Dog, Chicken, Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	2-4 µg/mL
Immunogen	Synthetic peptide (176 LEETEKQAVRKALIEERGRFC 196) of MTSS1 protein.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

Metastasis suppressor protein 1 (MTSS1) [MIM, "missing in metastasis"], was first discovered as missing transcripts from metastatic bladder and prostate cancer cells. MTSS1 is a 755 amino acid protein, having multidomain and scaffolding function. It has a proline-rich/SH3 binding region and a serine-rich region with EGF or PDGF/Src consensus sites. It contains an actin-binding Wiskott-Aldrich syndrome protein homology-2 motif (WH2) at the C-terminus while the N-terminal IMD domain (IRSp53-MIM domain) interact with membranes and bundle actin filament. The WH2 domain binds to actin monomers and plays an important role in actin cytoskeleton reorganization. Recently, MIM was found to interact with cortactin via SH3 domains. In addition, MTSS1 enhanced cortactin- and Arp2/3-dependent actin polymerization. It is thus involved in cell motility and morphogenesis and also interacts with sonic hedgehog/Gli signaling in epidermal cells. MTSS1 acts as an important regulator of cell growth and development and is known to express in many tissues, including spleen, thymus, prostate, testis, uterus, colon, and peripheral blood.

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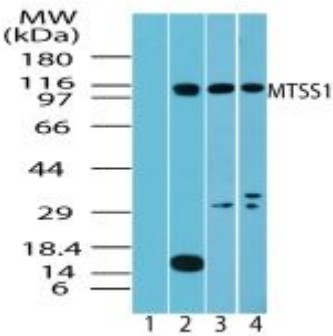
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MTSS1 Antibody (PA5-23200) in WB

Western blot analysis of MTSS1 in testis lysate: 1) pre immune sera, 2) human, 3) mouse and 4) rat testis using a MTSS1 polyclonal antibody (Product # PA5-23200) at 4 µg/mL, 2 µg/mL and 2 µg/mL, respectively.



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