

MSTO1 Polyclonal Antibody

Catalog NumberPA5-21641

Product data sheet

Details	
Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Recombinant fragment corresponding to a region within amino acids 34 and 327 of MSTO1 (Uniprot ID#Q9BUK6)
Conjugate	Unconjugated
Form	Liquid
Concentration	0.46 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Human
Published species	Human
Tested Applications	
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Western Blot (WB)	1:500-1:3,000
Published Applications	
Immunohistochemistry (IHC)	See 1 publications below

* 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.

Product specific information

Recommended positive controls: A431, H1299, HeLa, HepG2. Predicted reactivity: Pig (90%), Bovine (90%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

MSTO1 is a protein coding gene involved in the regulation of mitochondrial distribution and morphology. Required for mitochondrial fusion and mitochondrial network formation.

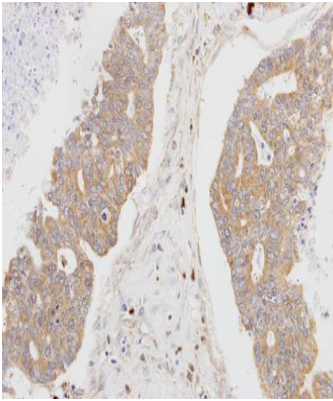
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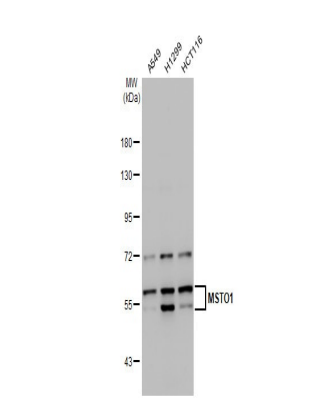
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Product Images For MSTO1 Polyclonal Antibody



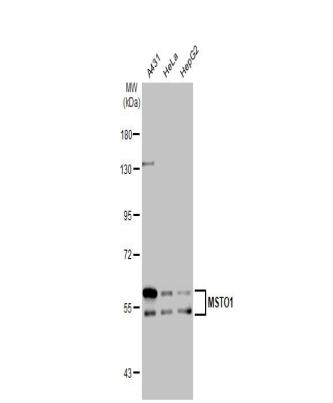
MSTO1 Antibody (PA5-21641) in IHC (P)

Immunohistochemical analysis of paraffin-embedded OVCA xenograft, using MSTO1 (Product # PA5-21641) antibody at 1:100 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



MSTO1 Antibody (PA5-21641) in WB

Western Blot using MSTO1 Polyclonal Antibody (Product # PA5-21641). Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MSTO1 Polyclonal Antibody (Product # PA5-21641) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



MSTO1 Antibody (PA5-21641) in WB

Western Blot using MSTO1 Polyclonal Antibody (Product # PA5-21641). Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with MSTO1 Polyclonal Antibody (Product # PA5-21641) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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PubMed References For MSTO1 Polyclonal Antibody

1 Immunohistochemistry References

Species / Dilution	Summary
	PA5-21641 was used in Immunohistochemistry to confirm a consistent MSTO1-related neuromuscular phenotype and in addition suggests a progressive neurological component at least in some patients, in keeping with the mitochondrial role of the defective protein.
Human / Not Cited	<p>Neuromuscular disorders : NMD (2019; 29: 448)</p> <p>"A novel case of MSTO1 gene related congenital muscular dystrophy with progressive neurological involvement."</p> <p>Author(s):Ardicli D,Sarkozy A,Zaharieva I,Deshpande C,Bodi I,Siddiqui A,U-King-Im JM,Selfe A,Phadke R,Jungbluth H,Muntoni F</p> <p>PubMed Article URL:http://dx.doi.org/10.1016/j.nmd.2019.03.011</p>

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