MIPOL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MIPOL1, Polyclonal Antibody
Full Product Name	MIPOL1, ID (Mirror-image polydactyly gene 1 protein,MIPOL1,) (MaxLight 750)
Product Gene Name	anti-MIPOL1 antibody
Product Synonym Names	Mirror-image polydactyly gene 1 protein,MIPOL1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	19,900 Da
OMIM	606850
3D Structure	ModBase 3D Structure for Q8TD10
Immunogen	MIPOL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 117-147 amino acids from the Central region of human MIPOL1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-MIPOL1 antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-MIPOL1 antibody	Western Blot (WB), FLISA
Application Notes for anti-MIPOL1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MIPOL1 antibody	This gene encodes a coiled-coil domain-containing protein. The encoded protein may function as a tumor suppressor. A translocation that results in truncation of the protein encoded by this locus has been associated with mirror-image polydactyly, also known as Laurin-Sandrow Syndrome. Alternatively spliced transcript variants have been described.
Product References and Citations for anti-MIPOL1 antibody	Cheung, A.K., et al. Proc. Natl. Acad. Sci. U.S.A. 106(34):14478-14483(2009). Kamnasaran, D., et al. Eur. J. Hum. Genet. 11(4):315-324(2003). Kondoh, S., et al. J. Hum. Genet. 47(3):136-139(2002).
Other Notes	Small volumes of anti-MIPOL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for MIPOL1 purchase	MBS6320897 is an antibody targeting MIPOL1. Also known as MIPOL1, ID (Mirror-image polydactyly gene 1 protein,MIPOL1,) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MIPOL1. It may not necessarily be applicable to this product.

NCBI GI #	305682556
NCBI GeneID	145282
NCBI Accession #	NP_001182225.1
NCBI Related Accession #	NP_620059.1; NP_001182226.1
UniProt Primary Accession #	Q8TD10
UniProt Secondary Accession #	Q7Z3J0; Q8IV14; D3DSA4
UniProt Related Accession #	Q8TD10
GenBank Nucleotide #	NM_001195296.1
NCBI Official Full Name	mirror-image polydactyly gene 1 protein
NCBI Official Synonym Full Names	mirror-image polydactyly 1
NCBI Official Symbol	MIPOL1
UniProt Protein Name	Mirror-image polydactyly gene 1 protein
Protein Family	Mirror-image polydactyly gene 1 protein
UniProt Gene Name	MIPOL1
UniProt Entry Name	MIPO1_HUMAN
NCBI Protein Information	mirror-image polydactyly gene 1 protein
UniProt Comments for MIPOL1	MIPOL1: A chromosomal aberration involving MIPOL1 is found in a patient with mirror-image polydactyly of hands and feet without other anomalies (MIP). Translocation t(2;14)(p23.3;q13). MIP is a very rare congenital anomaly characterized by mirror- image duplication of digits. MIP is occasionally associated with dimelia of the ulna and fibula, tibial and/or fibular hypoplasia, nasal abnormality and other malformations. Most MIP cases are sporadic, but very rare parent-child transmissions observed in familial cases suggest an autosomal mode of inheritance. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 14q13.3 Cellular Component: nucleus Disease: Laurin-sandrow Syndrome
Research Articles on MIPOL1	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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