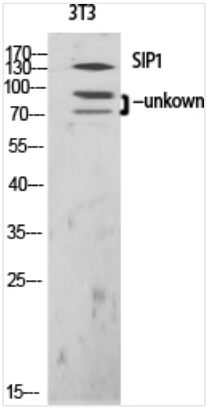
SIP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SIP1, Polyclonal Antibody
Full Product Name	SIP1 Polyclonal Antibody
Product Gene Name	anti-SIP1 antibody
Product Synonym Gene Name	ZEB2
Product Synonym Names	ZEB2; KIAA0569; SIP1; ZFHX1B; ZFX1B; HRIHFB2411; Zinc finger E-box-binding homeobox 2; Smad-interacting protein 1; SMADIP1; Zinc finger homeobox protein 1b
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	136,447 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (145141942..145277958, complement). Location: 2q22.3
OMIM	235730
3D Structure	ModBase 3D Structure for O60315
Applications Tested/Suitable for anti-SIP1 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-SIP1 antibody	Transcriptional inhibitor that binds to DNA sequence 5'- CACCT-3' in different promoters. Represses transcription of E- cadherin.
Other Notes	Small volumes of anti-SIP1 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 SIP1 purchase	MBS9245215 is an antibody targeting SIP1. Also known as SIP1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Wester Blot (WB) of anti-SIP1 antibody
Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SIP1. It may not necessarily be applicable to this product.

NCBI GI #	284413746
NCBI GeneID	9839
NCBI Accession #	NP_001165124.1
UniProt Primary Accession #	O60315
UniProt Secondary Accession #	Q9UED1; A0JP09; B7Z2P2; F5H814
UniProt Related Accession #	O60315
GenBank Nucleotide #	NM_001171653.1
NCBI Official Full Name	zinc finger E-box-binding homeobox 2 isoform 2
NCBI Official Synonym Full Names	zinc finger E-box binding homeobox 2
NCBI Official Symbol	ZEB2
NCBI Official Synonym Symbols	SIP1; SIP-1; ZFHX1B; HSPC082; SMADIP1
UniProt Protein Name	Zinc finger E-box-binding homeobox 2
UniProt Synonym Protein Names	Smad-interacting protein 1; SMADIP1; Zinc finger homeobox protein 1b
Protein Family	Pof6 interactor protein
UniProt Gene Name	ZEB2
UniProt Synonym Gene Names	KIAA0569; SIP1; ZFHX1B; ZFX1B; SMADIP1
UniProt Entry Name	ZEB2_HUMAN
NCBI Protein Information	zinc finger E-box-binding homeobox 2; zinc finger homeobox 1b; SMAD interacting protein 1; Smad-interacting protein 1
NCBI Summary for SIP1	The protein encoded by this gene is a member of the Zfh1 family of 2-handed zinc finger/homeodomain proteins. It is located in the nucleus and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs. Mutations in this gene are associated with Hirschsprung disease/Mowat-Wilson syndrome. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jan 2010]

UniProt Comments for SIP1	ZEB2: Transcriptional inhibitor that binds to DNA sequence 5'- CACCT-3' in different promoters. Represses transcription of E- cadherin. Defects in ZEB2 are the cause of Mowat-Wilson syndrome (MWIS); also known as Hirschsprung disease-mental retardation syndrome. A complex developmental disorder characterized by mental retardation, delayed motor development, epilepsy, microcephaly and a wide spectrum of clinically heterogeneous features suggestive of neurocristopathies at the cephalic, cardiac, and vagal levels. Some patients manifest Hirschsprung disease. Affected patients show an easily recognizable facial appearance with deep set eyes and hypertelorism, medially divergent, broad eyebrows, prominent columella, pointed chin and uplifted, notched ear lobes. Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family. Protein type: Motility/polarity/chemotaxis; Transcription, coactivator/corepressor; DNA-binding; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 2q22.3 Cellular Component: nucleus Molecular Function: DNA binding; phosphatase regulator activity; metal ion binding Biological Process: positive regulation of JNK activity; nervous system development; somitogenesis; transcription, DNA-dependent; cell proliferation in forebrain; pigmentation during development; hippocampus development; positive regulation of melanin biosynthetic process; negative regulation of transcription from RNA polymerase II promoter; positive regulation of melanocyte differentiation; neural tube closure; positive regulation of transcription from RNA polymerase II promoter; neural crest cell migration; positive regulation of Wnt receptor signaling pathway Disease: Mowat-wilson Syndrome
Research Articles on SIP1	**1.** Expression of the ZEB2 gene in pancreatic stromal cells in pancreatic ductal adenocarcinoma, pancreatitis, and normal state.
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