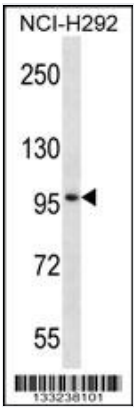
MID2 Antibody – Rabbit Polyclonal

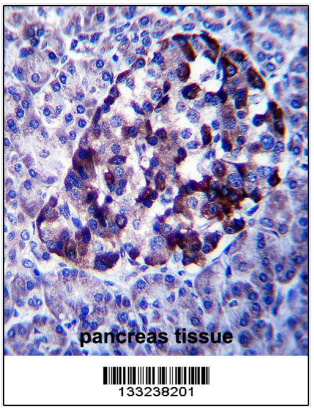
PRODUCT OVERVIEW

Product Name	MID2, Polyclonal Antibody
Full Product Name	MID2 Antibody (C-term)
Product Gene Name	anti-MID2 antibody
Product Synonym Names	Probable E3 ubiquitin-protein ligase MID2; 632-; Midin-2; Midline defect 2; Midline-2; RING finger protein 60; Tripartite motif-containing protein 1; MID2; FXY2; RNF60; TRIM1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human (Predicted Reactivity: Mouse)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This MID2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 690-717 amino acids from the C-terminal region of human MID2.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	MID2 peptide (MBS9220067) is used for blocking the activity of MID2 antibody (MBS9205153)
Molecular Weight	83210
Immunogen Sequence Positions	690-717
OMIM	300204
3D Structure	ModBase 3D Structure for Q9UJV3
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-MID2 antibody	Neuroscience; Signal Transduction
Applications Tested/Suitable for anti-MID2 antibody	ELISA (EIA), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-MID2 antibody	WB~~1:1000
Related Product Information for anti-MID2 antibody	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms.

Product References and Citations for anti-MID2 antibody	Lim, J., et al. Cell 125(4):801-814(2006) Jehee, F.S., et al. Am. J. Med. Genet. A 139(3):221-226(2005) Yap, M.W., et al. Proc. Natl. Acad. Sci. U.S.A. 101(29):10786-10791(2004) Short, K.M., et al. BMC Cell Biol. 3, 1 (2002) : Reymond, A., et al. EMBO J. 20(9):2140-2151(2001)
Other Notes	Small volumes of anti-MID2 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 MID2 purchase	MBS9205153 is an antibody targeting MID2. Also known as MID2 Antibody (C-term). Reactive in Human (Predicted Reactivity: Mouse). Host: Rabbit.



Western Blot (WB) of anti-MID2 antibody
MID2 Antibody (C-term) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the MID2 antibody detected the MID2 protein (arrow).



Immunohistochemistry (IHC) of anti-MID2 antibody
MID2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MID2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MID2. It may not necessarily be applicable to this product.

NCBI GI #	223890257
NCBI GeneID	11043
NCBI Accession #	NP_036348.2
NCBI Related Accession #	NP_438112.2
UniProt Primary Accession #	Q9UJV3
UniProt Secondary Accession #	Q5JYF5; Q8WWK1; Q9UJR9; A6NEL8; A6PVI5
UniProt Related Accession #	Q9UJV3
GenBank Nucleotide #	NM_012216.3
NCBI Official Full Name	probable E3 ubiquitin-protein ligase MID2 isoform 1
NCBI Official Synonym Full Names	midline 2
NCBI Official Symbol	MID2
NCBI Official Synonym Symbols	FXY2; RNF60; TRIM1; MRX101
UniProt Protein Name	Probable E3 ubiquitin-protein ligase MID2
UniProt Synonym Protein Names	Midin-2; Midline defect 2; Midline-2; RING finger protein 60; Tripartite motif-containing protein 1
Protein Family	Cell wall integrity sensor
UniProt Gene Name	MID2

UniProt Synonym Gene Names	FXY2; RNF60; TRIM1
UniProt Entry Name	TRIM1_HUMAN
NCBI Protein Information	probable E3 ubiquitin-protein ligase MID2
NCBI Summary for MID2	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009]
UniProt Comments for MID2	MID2: is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009] Protein type: Ubiquitin conjugating system; EC 6.3.2.-; Microtubule-binding Chromosomal Location of Human Ortholog: Xq22.3 Cellular Component: microtubule; cytoplasm Molecular Function: protein homodimerization activity; zinc ion binding; protein heterodimerization activity; microtubule binding; phosphoprotein binding; ligase activity Biological Process: negative regulation of viral transcription; positive regulation of I-kappaB kinase/NF-kappaB cascade; negative regulation of virion penetration into host cell; innate immune response; protein ubiquitination; positive regulation of transcription factor activity; activation of NF-kappaB transcription factor Disease: Mental Retardation, X-linked 101
Research Articles on MID2	**1.** A novel missense mutation (c.1040G>A, p.Arg347Gln) was reported in MID2, which encodes ubiquitin ligase E3, as the likely cause of X-linked mental retardation in a large kindred.
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