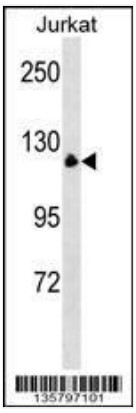
MYT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MYT1, Polyclonal Antibody
Full Product Name	MYT1, NT (MYT1, KIAA0835, KIAA1050, MTF1, MYTI, PLPB1, Myelin transcription factor 1, Myelin transcription factor I, Proteolipid protein-binding protein) (Biotin)
Product Gene Name	anti-MYT1 antibody
Product Synonym Names	MYT1; KIAA0835; KIAA1050; MTF1; MYTI; PLPB1; Myelin transcription factor 1; Myelin transcription factor I; Proteolipid protein-binding protein
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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	125,075 Da
OMIM	600379
3D Structure	ModBase 3D Structure for Q01538
Immunogen	MYT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MYT1.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-MYT1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-MYT1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MYT1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MYT1 antibody	MYT1 is a member of a family of neural specific, zinc finger-containing DNA-binding proteins. The protein binds to the promoter regions of proteolipid proteins of the central nervous system and plays a role in the developing nervous system.
Product References and Citations for anti-MYT1 antibody	Choi, H.S., et al. Mol. Cell. Biol. 29(8):2168-2180(2009). Vega, A., et al. Gynecol. Oncol. 112(1):210-214(2009). Vana, A.C., et al. Glia 55(7):687-697(2007). Nielsen, J.A., et al. Mol. Cell. Neurosci. 25(1):111-123(2004). Nakajima, H., et al. J. Biol. Chem. 278(28):25277-25280(2003).
Other Notes	Small volumes of anti-MYT1 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 MYT1 purchase	MBS6323596 is an antibody targeting MYT1. Also known as MYT1, NT (MYT1, KIAA0835, KIAA1050, MTF1, MYTI, PLPB1, Myelin transcription factor 1, Myelin transcription factor I, Proteolipid protein-binding protein) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MYT1 antibody
MYT1 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the MYT1 antibody detected the MYT1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MYT1. It may not necessarily be applicable to this product.

NCBI GI #	17975763
NCBI GeneID	4661
NCBI Accession #	NP_004526.1
UniProt Primary Accession #	Q01538
UniProt Secondary Accession #	O94922; Q7Z5W2; Q9UPV2; E1P5H0; F5H7M8
UniProt Related Accession #	Q01538
GenBank Nucleotide #	NM_004535.2
NCBI Official Full Name	myelin transcription factor 1
NCBI Official Synonym Full Names	myelin transcription factor 1
NCBI Official Symbol	MYT1
NCBI Official Synonym Symbols	MTF1; MYTI; NZF2; PLPB1; ZC2HC4A; C20orf36
UniProt Protein Name	Myelin transcription factor 1
UniProt Synonym Protein Names	Myelin transcription factor I; MyTI; PLPB1; Proteolipid protein-binding protein
Protein Family	Myelin transcription factor
UniProt Gene Name	MYT1
UniProt Synonym Gene Names	KIAA0835; KIAA1050; MTF1; MYTI; PLPB1; MyT1; MyTI
UniProt Entry Name	MYT1_HUMAN
NCBI Protein Information	myelin transcription factor 1; myelin transcription factor I; proteolipid protein binding protein; proteolipid protein-binding protein; neural zinc finger transcription factor 2
NCBI Summary for MYT1	The protein encoded by this gene is a member of a family of neural specific, zinc finger-containing DNA-binding proteins. The protein binds to the promoter regions of proteolipid proteins of the central nervous system and plays a role in the developing nervous system. [provided by RefSeq, Jul 2008]

UniProt Comments for MYT1	PLPB1: Binds to the promoter regions of proteolipid proteins of the central nervous system. May play a role in the development of neurons and oligodendrogalia in the CNS. May regulate a critical transition point in oligodendrocyte lineage development by modulating oligodendrocyte progenitor proliferation relative to terminal differentiation and up-regulation of myelin gene transcription. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 20q13.33 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: zinc ion binding; transcription factor activity Biological Process: nervous system development; regulation of transcription, DNA-dependent; transcription, DNA-dependent; cell differentiation
Research Articles on MYT1	**1.** although depletion of MYT1 alone did not affect long-term cell growth, it potentiated with DNA damage to inhibit cell growth in clonogenic survival and tumor xenograft models
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