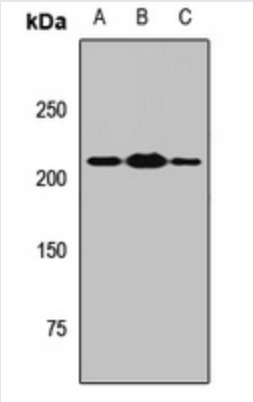
MYT1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MYT1, Polyclonal Antibody
Full Product Name	Rabbit anti-MYT1 Antibody
Product Gene Name	anti-MYT1 antibody
Product Synonym Names	KIAA0835; KIAA1050; MTF1; MYTI; PLPB1; Myelin transcription factor 1; MyT1; Myelin transcription factor I; MyTI; PLPB1; Proteolipid protein-binding protein
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	125,075 Da
OMIM	600379
3D Structure	ModBase 3D Structure for Q01538
Immunogen	Recombinant full length protein of human MYT1
Product Categories/Family for anti-MYT1 antibody	Primary antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-MYT1 antibody	Western Blot (WB)
Application Notes for anti-MYT1 antibody	WB: 1:500-1:2000
Related Product Information for anti-MYT1 antibody	MBS4507976 is an antibody targeting MYT1. Also known as Rabbit anti-MYT1 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
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.



Western Blot (WB) of anti-MYT1 antibody
Western blot analysis of MYT1 expression in A375 (A), mouse brain (B), rat liver (C) whole cell lysates.

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 #	Q8CFC2
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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