10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Myt1 Rabbit pAb

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Catalog # AP58072

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q01538
Reactivity	Mouse
Predicted	Human, Rat, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122329
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Myt1
Epitope Specificity	541-640/1121
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Contains 7 C2HC-type zinc fingers.
SUBUNIT	nteracts with STEAP3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Myt1 is a zinc finger protein that is known to interact with the co-repressor Sin3B and also HDAC1 and HDAC2. The Myt1 family, including Myt1 and Myt1L, exemplifies a class of neural sequence specific transcription factors that actively recruit HDACs to selected genes during CNS development.

Additional Information

Gene ID	4661
Other Names	Myelin transcription factor 1, MyT1, Myelin transcription factor I, MyTI, PLPB1, Proteolipid protein-binding protein, MYT1, KIAA0835, KIAA1050, MTF1, MYTI, PLPB1
Target/Specificity	Mostly in developing nervous system. Expressed in neural progenitors and oligodendrocyte lineage cells. More highly expressed in oligodendrocyte progenitors than in differentiated oligodendrocytes.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

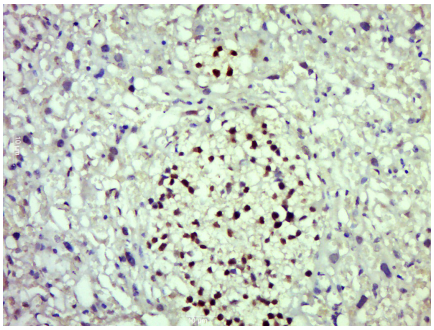
Protein Information

Name	MYT1
Synonyms	KIAA0835, KIAA1050, MTF1, MYTI, PLPB1
Function	Binds to the promoter region of genes encoding proteolipid proteins of the central nervous system. May play a role in the development of neurons and oligodendroglia 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.
Cellular Location	Nucleus.
Tissue Location	Mostly in developing nervous system. Expressed in neural progenitors and oligodendrocyte lineage cells. More highly expressed in oligodendrocyte progenitors than in differentiated oligodendrocytes.

Background

Myt1 is a zinc finger protein that is known to interact with the co-repressor Sin3B and also HDAC1 and HDAC2. The Myt1 family, including Myt1 and Myt1L, exemplifies a class of neural sequence specific transcription factors that actively recruit HDACs to selected genes during CNS development.

Images



Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Myt1) Polyclonal Antibody, Unconjugated (AP58072) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.