

**Myt1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58072**

### Specification

#### Myt1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q01538</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Myt1 541-640/1121
Epitope Specificity	IgG
Isotype	
<b>Purity</b>	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	interacts 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.

#### Myt1 Polyclonal Antibody - 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

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class

= "dilution\_IHC-P" > IHC-P~~N/A </span> <br /> <span class="dilution\_IHC-P">IHC-P~~N/A</span> <br /> <span class="dilution\_IF">IF~~1:50~200 </span> <br /> <span class="dilution\_E">E~~N/A </span>

**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.

**Myt1 Polyclonal Antibody - 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.

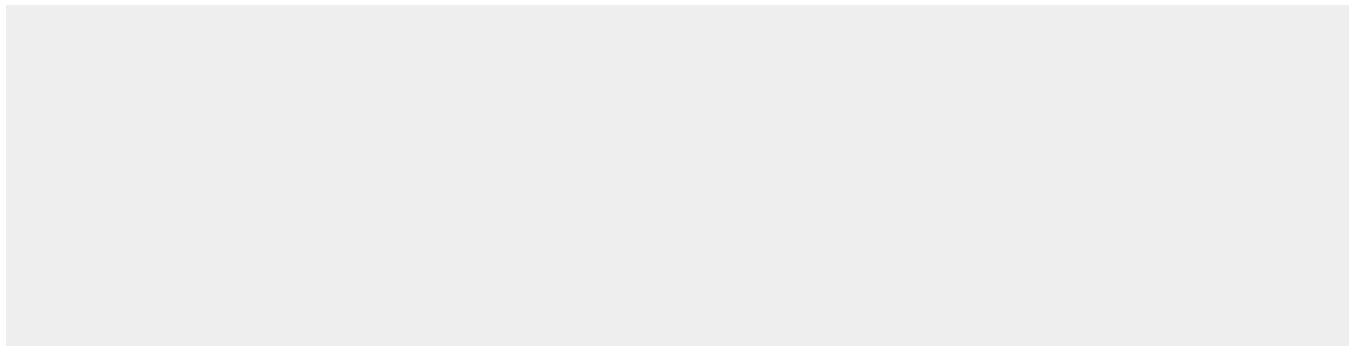
**Tissue Location**

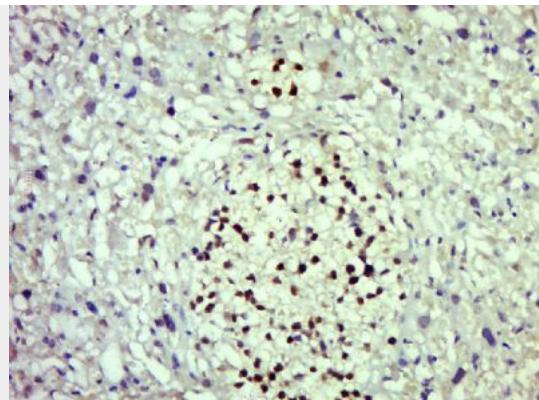
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**Myt1 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Myt1 Polyclonal Antibody - 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 (bs-3505R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.