

**MYT1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16407a****Specification**

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**MYT1 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">Q01538</a>      |
| Other Accession   | <a href="#">NP_004526.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 122329                      |
| Antigen Region    | 1-30                        |

**MYT1 Antibody (N-term) - 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**

This 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.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

MYT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**MYT1 Antibody (N-term) - Protein Information****Name** MYT1

**Synonyms** KIAA0835, KIAA1050, MTF1, MYT1, 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**

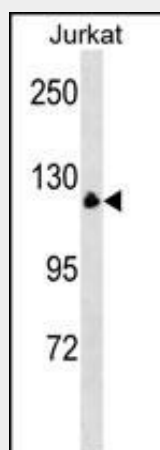
Mostly in developing nervous system. Expressed in neural progenitors and oligodendrocyte lineage cells. More highly expressed in oligodendrocyte progenitors than in differentiated oligodendrocytes.

**MYT1 Antibody (N-term) - 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 Antibody (N-term) - Images**



MYT1 Antibody (N-term) (Cat. #AP16407a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MYT1 antibody detected the MYT1 protein (arrow).

**MYT1 Antibody (N-term) - Background**

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.

#### **MYT1 Antibody (N-term) - References**

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)