

# Anti-MYT1 Antibody

Rabbit polyclonal antibody to MYT1 Catalog # AP60608

#### **Product Information**

**Application** WB, IHC **Primary Accession** Q99640 **Other Accession** Q9ESG9

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal **Calculated MW** 54521

#### **Additional Information**

Gene ID 9088

**Other Names** MYT1; Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory

kinase; Myt1 kinase

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human MYT1. The exact sequence is proprietary.

**Dilution** WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC

(1/100 - 1/200)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30%

glycerol, and 0.09% (W/V) sodium azide.

Store at -20 °C.Stable for 12 months from date of receipt Storage

#### **Protein Information**

PKMYT1 Name

**Synonyms** MYT1

**Function** Acts as a negative regulator of entry into mitosis (G2 to M transition) by

phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to

cyclins (PubMed: 10373560, PubMed: 10504341, PubMed: 9001210,

PubMed: 9268380). Mediates phosphorylation of CDK1 predominantly on

'Thr-14'. Also involved in Golgi fragmentation (PubMed: 9001210,

PubMed: 9268380). May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be

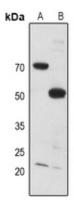
indirect (PubMed: 9001210, PubMed: 9268380).

Endoplasmic reticulum membrane; Peripheral membrane protein. Golgi

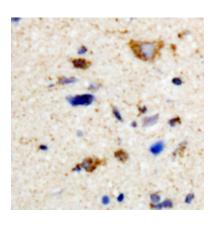
## **Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MYT1. The exact sequence is proprietary.

### **Images**



Western blot analysis of MYT1 expression in rat liver (A), rat muscle (B) whole cell lysates.



Immunohistochemical analysis of MYT1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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