

## NUD10 rabbit pAb

Catalog No: YT6419

**Reactivity:** Human; Mouse

**Applications:** WB

Target: NUD10

Gene Name: NUDT10 APS2 DIPP3A

Q8NFP7

P0C027

Protein Name: NUD10

Human Gene Id: 170685

**Human Swiss Prot** 

No:

Mouse Gene ld: 102954

**Mouse Swiss Prot** 

No:

Immunogen: Synthesized peptide derived from human NUD10 AA range: 92-142

**Specificity:** This antibody detects endogenous levels of NUD10 at Human/Mouse

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1 ?500-2000

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

1/2

18kD

Molecularweight:

### **Background:**

This gene is a member of the nudix (nucleoside diphosphate linked moiety X)-type motif containing family. The encoded protein is a phosphohydrolase and may regulate the turnover of diphosphoinositol polyphosphates. The turnover of these high-energy diphosphoinositol polyphosphates represents a molecular switching activity with important regulatory consequences. Molecular switching by diphosphoinositol polyphosphates may contribute to the regulation of intracellular trafficking. In some populations putative prostate cancer susceptibility alleles have been identified for this gene. Alternatively spliced transcript variants, which differ only in the 5' UTR, have been found for this gene. [provided by RefSeq, Feb 2015],

#### **Function:**

catalytic activity:Diphospho-myo-inositol polyphosphate + H(2)O = myo-inositol polyphosphate + phosphate.,cofactor:Magnesium or manganese. Manganese may be the true cofactor in vivo.,function:Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyzes the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate.,similarity:Belongs to the Nudix hydrolase family. DIPP subfamily.,tissue specificity:Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed.,

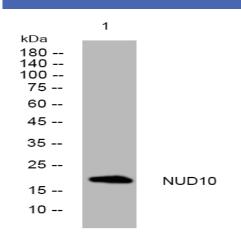
## Subcellular Location :

Cytoplasm.

**Expression:** 

Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed.

# **Products Images**



Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night