



NUD10 mouse mAb

Catalog No	BYmab-11054
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	NUDT10 APS2 DIP3A
Protein Name	NUD10
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Cytoplasm .
Tissue Specificity	Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed.
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.,

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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],

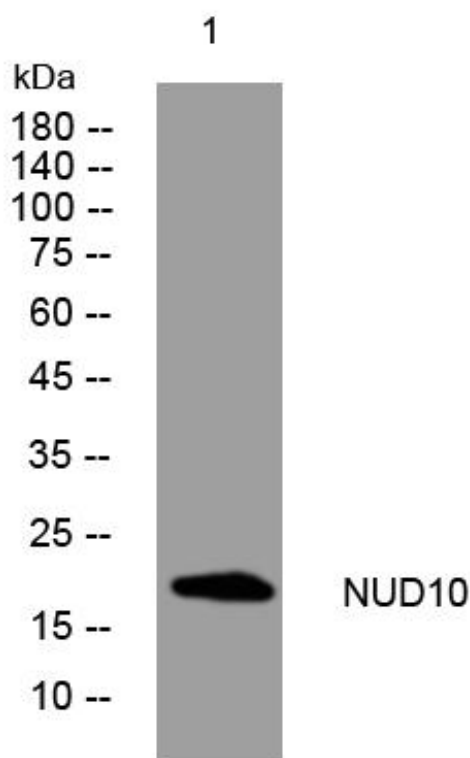
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using NUD10 mouse mAb