



NUD12 Monoclonal Antibody

Catalog No	YP-mAb-05909
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	NUDT12
Protein Name	Peroxisomal NADH pyrophosphatase NUDT12 (EC 3.6.1.22) (Nucleoside diphosphate-linked moiety X motif 12) (Nudix motif 12)
Immunogen	Synthesized peptide derived from human protein . at AA range: 80-160
Specificity	NUD12 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	50kD
Cell Pathway	Cytoplasm . Peroxisome . Cytoplasmic granule . Localizes to cytoplasmic granules in the presence of BLMH. .
Tissue Specificity	Amygdala, Eye, Ovary,
Function	catalytic activity:NAD(+) + H ₂ O = AMP + NMN.,cofactor:Magnesium or manganese.,function:Hydrolyzes NAD(P)H to NMNH and AMP (2',5'-ADP), and diadenosine diphosphate to AMP. Has also activity towards NAD(P)(+), ADP-ribose and diadenosine triphosphate. May act to regulate the concentration of peroxisomal nicotinamide nucleotide cofactors required for oxidative metabolism in this organelle.,similarity:Belongs to the Nudix hydrolase family. NudC subfamily.,similarity:Contains 3 ANK repeats.,
Background	Nucleotides are involved in numerous biochemical reactions and pathways within the cell as substrates, cofactors, and effectors. Nudix hydrolases, such as NUDT12, regulate the concentrations of individual nucleotides and of nucleotide ratios in response to changing circumstances (Abdelraheim et al., 2003 [PubMed 12790796]).[supplied by OMIM, Mar 2008],

**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