



NUD12 Polyclonal Antibody

Catalog No	YP-Ab-05909
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NUDT12
Immunogen	Synthesized peptide derived from human protein . at AA range: 80-160
Specificity	NUD12 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DeNADding enzyme NUDT12;EC:3.6.1.-;EC:3.6.1.22;NAD-capped RNA hydrolase NUDT12;NADH pyrophosphatase NUDT12;NUD12;NUDT12; Peroxisomal NADH pyrophosphatase NUDT12 (EC 3.6.1.22) (Nucleoside diphosphate-linked moiety X motif 12) (Nudix motif 12)
Observed Band	45-50 kDa
Calculated Molecular Weight	462 aa, 52 kDa
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