



CTND2 Monoclonal Antibody

Catalog No	YP-mAb-05437
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CTNND2 NPRAP
Protein Name	Catenin delta-2 (Delta-catenin) (GT24) (Neural plakophilin-related ARM-repeat protein) (NPRAP) (Neurojungin)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CTND2 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	134kD
Cell Pathway	Nucleus . Cell junction, adherens junction . Cell projection, dendrite . Perikaryon .
Tissue Specificity	Expressed in brain; highest expression is observed in fetal brain (PubMed:25807484).
Function	alternative products:Additional isoforms seem to exist,function:Functions as a transcriptional activator when bound to ZBTB33 (By similarity). May be involved in neuronal cell adhesion and tissue morphogenesis and integrity by regulating adhesion molecules.,PTM:O-glycosylated.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the beta-catenin family.,similarity:Contains 9 ARM repeats.,subunit:Binds to E-cadherin at a juxtamembrane site within the cytoplasmic domain. Interacts with PDZD2. Interacts with ZBTB33 (By similarity). Binds to PSEN1. Interacts with RGNEF.,tissue specificity:Predominantly expressed in brain.,
Background	catenin delta 2(CTNND2) Homo sapiens This gene encodes an adhesive junction associated protein of the armadillo/beta-catenin superfamily and is implicated in brain and eye development and cancer formation. The protein encoded by this gene promotes the disruption of E-cadherin based adherens junction to favor cell spreading upon stimulation by hepatocyte growth factor. This gene is overexpressed in prostate adenocarcinomas and is associated with



decreased expression of tumor suppressor E-cadherin in this tissue. This gene resides in a region of the short arm of chromosome 5 that is deleted in Cri du Chat syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013],

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