



DRG1 Mouse mAb

Catalog No	YP-mAb-19531
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	DRG1 NEDD3
Immunogen	Synthesized peptide derived from human DRG1. AA range:127-227
Specificity	This antibody detects endogenous levels of DRG1 at Human, Mouse,Rat
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	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	DRG1 NEDD3;Developmentally-regulated GTP-binding protein 1 (DRG-1) (Neural precursor cell expressed developmentally down-regulated protein 3) (NEDD-3)
Observed Band	
Calculated Molecular Weight	40kD
Cell Pathway	Nucleus . Cytoplasm . The DRG1-ZC3H15/DFRP1 complex associates with polysomes.
Tissue Specificity	High levels in skeletal muscle , heart , and kidney. Intermediate levels in liver , placenta and brain. Low levels in colon , thymus , spleen , small intestine , lung and leukocytes.
Function	Catalyzes the conversion of GTP to GDP through hydrolysis of the gamma-phosphate bond in GTP . Appears to have an intrinsic GTPase activity that is stimulated by ZC3H15/DFRP1 binding likely by increasing the affinity for the potassium ions . When hydroxylated at C-3 of 'Lys-22' by JMJD7 , may bind to RNA and play a role in translation . Binds to microtubules and promotes microtubule polymerization and stability that are required for mitotic spindle assembly during prophase to anaphase transition. GTPase activity is not necessary for these microtubule-related functions .
Background	

**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