



ARAP1 Monoclonal Antibody

Catalog No	YP-mAb-07665
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ARAP1 CENTD2 KIAA0782
Protein Name	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 (Centaurin-delta-2) (Cnt-d2)
Immunogen	Synthesized peptide derived from part region of human protein AA range: 794-844
Specificity	ARAP1 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	159kD
Cell Pathway	Cytoplasm. Golgi apparatus, Golgi stack membrane; Peripheral membrane protein. Cell membrane. Associated with Golgi stacks in resting cells. Throughout the cytoplasm and in surface protrusion in cells that are in the process of attaching to a surface and spreading.
Tissue Specificity	Detected in heart, skeletal muscle, spleen, kidney, liver, placenta, lung, peripheral blood leukocytes, adrenal gland, bone marrow, brain, lymph node, mammary gland, prostate, spinal cord, stomach, thyroid and trachea.
Function	function:Phosphatidylinositol-3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol-3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by phosphatidylinositol-3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a preference for ARF1 and ARF5.,similarity:Contains 1 Arf-GAP domain.,similarity:Contains 1 Ras-associating domain.,similarity:Contains 1 Rho-GAP domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 3 PH domains.,similarity:Contains 4 PH domains.,similarity:Contains 5 PH domains.,subcellular location:Associated with Golgi stacks in resting cells. Throughout the cytoplasm and in surface protrusion



in cells that are in the process of attaching to a surface and spreading.,subunit:Interacts w

Background

The protein encoded by this gene contains SAM, ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology (PH) domains. In vitro, this protein displays RHO-GAP and phosphatidylinositol (3,4,5) trisphosphate (PIP3)-dependent ARF-GAP activity. The encoded protein associates with the Golgi, and the ARF-GAP activity mediates changes in the Golgi and the formation of filopodia. It is thought to regulate the cell-specific trafficking of a receptor protein involved in apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 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