

ARAP2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16947a

Specification

ARAP2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8WZ64
Other Accession	NP_056045.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	193452
Antigen Region	63-93

ARAP2 Antibody (N-term) - Additional Information

Gene ID 116984

Other Names

Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2, Centaurin-delta-1, Cnt-d1, Protein PARX, ARAP2, CENTD1, KIAA0580

Target/Specificity

This ARAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-93 amino acids from the N-terminal region of human ARAP2.

Dilution

WB~~1:1000

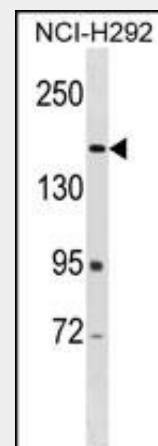
Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions



ARAP2 Antibody (N-term) (Cat. #AP16947a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the ARAP2 antibody detected the ARAP2 protein (arrow).

ARAP2 Antibody (N-term) - Background

The protein encoded by this gene contains ARF-GAP, RHO-GAP, ankyrin repeat, RAS-associating, and pleckstrin homology domains. The protein is a phosphatidylinositol (3,4,5)-trisphosphate-dependent Arf6 GAP that binds RhoA-GTP, but it lacks the predicted catalytic arginine in the RHO-GAP domain and does not have RHO-GAP activity. The protein associates with focal adhesions and functions downstream of RhoA to regulate focal adhesion dynamics.

ARAP2 Antibody (N-term) - References

Gavicherla, B., et al. Infect. Immun. 78(11):4532-4541(2010)
Liu, C., et al. Mol. Med. 14 (9-10), 575-581 (2008) :
Yoon, H.Y., et al. J. Cell. Sci. 119 (PT 22), 4650-4666 (2006) :

ARAP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

ARAP2 Antibody (N-term) - Protein Information

Name ARAP2

Synonyms CENTD1, KIAA0580

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 (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Detected in brain, thymus, lymph node, thyroid, spinal cord, trachea, heart, skeletal muscle, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes

ARAP2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)