

ARAP2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16947a**Specification**

ARAP2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8WZ64](#)**ARAP2 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARAP2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARAP2 Antibody (N-term) Blocking Peptide - Images**ARAP2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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) :Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006)