

ASAP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14505c**Specification**

ASAP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9ULH1](#)**ASAP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 50807**Other Names**

Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1, 130 kDa phosphatidylinositol 4, 5-bisphosphate-dependent ARF1 GTPase-activating protein, ADP-ribosylation factor-directed GTPase-activating protein 1, ARF GTPase-activating protein 1, Development and differentiation-enhancing factor 1, DEF-1, Differentiation-enhancing factor 1, PIP2-dependent ARF1 GAP, ASAP1, DDEF1, KIAA1249

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.

ASAP1 Antibody (Center) Blocking Peptide - Protein Information**Name** ASAP1**Synonyms** DDEF1, KIAA1249, PAG2 {ECO:0000303|PubMe**Function**

Possesses phosphatidylinositol 4,5-bisphosphate-dependent GTPase-activating protein activity for ARF1 (ADP ribosylation factor 1) and ARF5 and a lesser activity towards ARF6. May coordinate membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2. May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types. Part of the ciliary targeting complex containing Rab11, ASAP1, Rabin8/RAB3IP, RAB11FIP3 and ARF4, which direct preciliary vesicle trafficking to mother centriole and ciliogenesis initiation (PubMed:25673879).

Cellular Location

Cytoplasm. Membrane. Golgi apparatus. Golgi apparatus, trans- Golgi network.

Note=Predominantly cytoplasmic. Partially membrane-associated. Localized to the Golgi, TGN and

rhodopsin transport carriers (RTC) when interacting with RHO in photoreceptors (PubMed:25673879). Localized to RTC when interacting with RAB11A and RAB11FIP3 in photoreceptors (PubMed:25673879) {ECO:0000250, ECO:0000269|PubMed:25673879}

ASAP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ASAP1 Antibody (Center) Blocking Peptide - Images

ASAP1 Antibody (Center) Blocking Peptide - Background

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ASAP1 Antibody (Center) Blocking Peptide - References

Muller, T., et al. Oncogene 29(16):2393-2403(2010)Nat. Genet. 41(7):824-828(2009)Jian, X., et al. J. Biol. Chem. 284(3):1652-1663(2009)Inoue, H., et al. Mol. Biol. Cell 19(10):4224-4237(2008)Lin, D., et al. Cancer Res. 68(11):4352-4359(2008)