

Product datasheet

Anti-ASAP1 / DDEF1 antibody ab76916

3 Images

Overview

Product name	Anti-ASAP1 / DDEF1 antibody
Description	Mouse monoclonal to ASAP1 / DDEF1
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment: VQSRDAIQKQ ASEDSDLTP TLPETPVPLP RKINTGKNKV RRVKTYDCQ ADNDELTFI EGEVIMTGE EDQEWWIGHI EGQPERKGVF PVSFVHILSD, corresponding to amino acids 1030 - 1129 of human ASAP1/ DDEF1 (NP_060952) with a tag Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Recombinant human ASAP1 / DDEF1 protein fragment (immunogen); IMR-32 and NIH/3T3 cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab76916** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

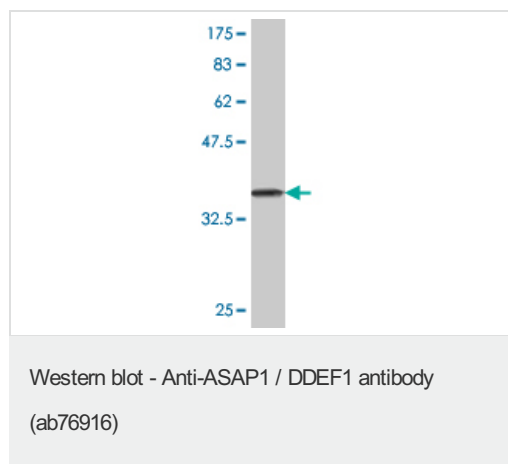
Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 125 kDa.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.

Target

Function	Possesses phosphatidylinositol 4,5-biphosphate-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 (By similarity). Plays a role in ciliogenesis.
Sequence similarities	Contains 2 ANK repeats. Contains 1 Arf-GAP domain. Contains 1 PH domain. Contains 1 SH3 domain.
Domain	The PH domain most probably contributes to the phosphoinositide-dependent regulation of ADP ribosylation factors.
Post-translational modifications	Phosphorylated on tyrosine residues by SRC.
Cellular localization	Cytoplasm. Membrane. Predominantly cytoplasmic (By similarity). Partially membrane-associated.

Images



Anti-ASAP1 / DDEF1 antibody (ab76916) at
5 µg/ml + immunogen at 0.2 µg

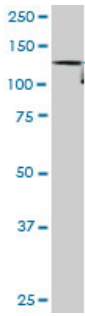
Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/5000 dilution

Predicted band size: 125 kDa

Observed band size: 37 kDa

Molecular weight of the tag alone is 26 kDa.



Western blot - Anti-ASAP1 / DDEF1 antibody
(ab76916)

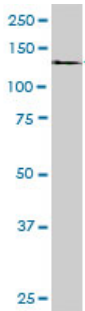
Anti-ASAP1 / DDEF1 antibody (ab76916) at
5 µg/ml + IMR-32 cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 125 kDa

Observed band size: 125 kDa



Western blot - Anti-ASAP1 / DDEF1 antibody
(ab76916)

Anti-ASAP1 / DDEF1 antibody (ab76916) at
5 µg/ml + NIH/3T3 cell lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at
1/2500 dilution

Predicted band size: 125 kDa

Observed band size: 125 kDa

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