

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.

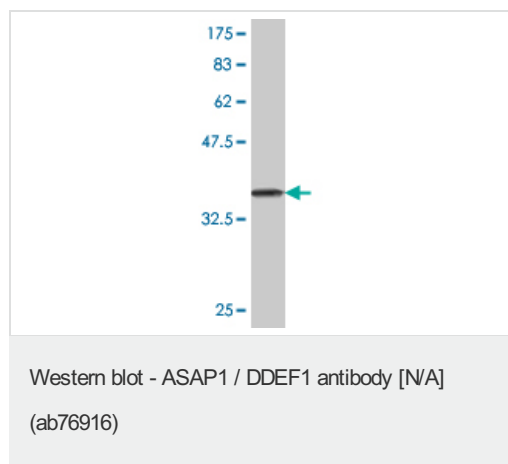
| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 125 kDa. |

| 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

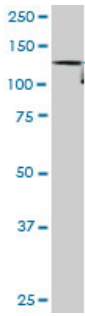
Secondary

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 - ASAP1 / DDEF1 antibody [N/A]
(ab76916)

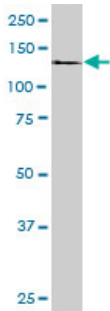
Anti-ASAP1 / DDEF1 antibody (ab76916) at
5 µg/ml + IMR-32 cell lysate at 25 µg

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 - ASAP1 / DDEF1 antibody [N/A]
(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

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors