

Datasheet for ABIN129669

anti-ASAP1 antibody (AA 775-800)



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1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	ASAP1
Binding Specificity:	AA 775-800
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	Asap1 phospho Y782 Antibody
Immunogen:	<p>Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 775-800 of mouse ASAP1 protein.</p> <p>Immunogen Type: Conjugated Peptide</p>
Isotype:	IgG
Cross-Reactivity (Details):	This affinity-purified antibody is directed against the phosphorylated form of mouse ASAP1 protein at the pY782 residue.
Characteristics:	<p>Synonyms: rabbit anti-ASAP1 pY782 Antibody, ASAP-1, ASAP 1, Development and differentiation enhancing factor 1 antibody, 130 kDa phosphatidylinositol 4 5 biphosphate dependent ARF1 GTPase activating protein antibody, ADP ribosylation factor directed GTPase activating protein 1 antibody, AMAP 1 antibody</p>

Product Details

Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity purification.
Sterility:	Sterile filtered

Target Details

Target:	ASAP1
Alternative Name:	Asap1 (ASAP1 Products)
Background:	<p>Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. ASAP1 (also known as AMAP1, 130- kDa phosphatidylinositol 4,5-biphosphate-dependent ARF1 GTPase-activating protein, PIP2-dependent ARF1 GAP,ADP-ribosylation factor-directed GTPase-activating protein 1, ARF GTPase-activating protein 1, Development and differentiation-enhancing factor 1, Differentiation-enhancing factor 1, DEF-1) is an Arf-directed GTPase activating protein that is a substrate for the kinases Src and FAK and has been implicated in the regulation of membrane traffic, focal adhesions and invadopodia/podosomes. Phosphorylation of ASAP1 at tyrosine 782 has been found to affect enzymatic and some biological activities, including the function of invadopodia. ASAP1 is expressed in many tissues but is most abundant in the testis, brain, lung and spleen. A heightened expression was seen in the adipose tissue from obese (ob) and diabetic (db) animals. Multiple transcript variants have been reported for this protein.</p>
Gene ID:	13196, 65301464
UniProt:	Q9QWY8

Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 20-40 µg/mL</p> <p>Application Note: This affinity purified antibody has been tested for use in ELISA, immunohistochemistry, IF microscopy and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 130 kDa in size corresponding to phosphorylated ASAP1 protein by western blotting in the appropriate cell lysate or extract. Less than 2.5 % reactivity is observed against the non-phosphorylated form of the immunizing peptide. This antibody is phospho specific for pY782 of ASAP1 protein.</p> <p>Western Blot Dilution: 1:500 - 1:2,000</p> <p>ELISA Dilution: 1:4,000 - 1:16,000</p> <p>Other: User Optimized</p>
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.09 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

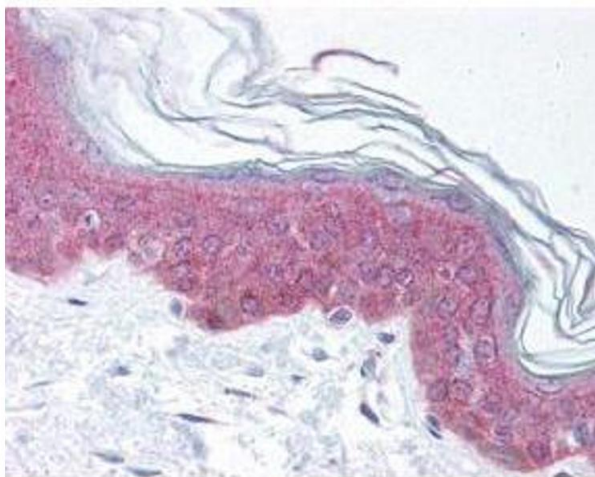
Storage: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Bender, Stritt, Nurden, van Eeuwijk, Zieger, Kentouche, Schulze, Morbach, Stegner, Heinze, Heinze, Dütting, Gupta, Witke, Falet, Fischer, Hartwig, Nieswandt: "Megakaryocyte-specific Profilin1-deficiency alters microtubule stability and causes a Wiskott-Aldrich syndrome-like platelet defect." in: **Nature communications**, Vol. 5, pp. 4746, (2015) ([PubMed](#)).



Immunohistochemistry

Image 1. 1.09 mg/ml (by UV absorbance at 280 nm)