

Datasheet for ABIN129669

anti-ASAP1 antibody (pTyr782)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	100 µg
Target:	ASAP1
Binding Specificity:	AA 777-787, pTyr782
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 777-787 of mouse ASAP1 protein.
Isotype:	IgG
Cross-Reactivity:	Human, Chicken, Sheep (Ovine), Dog (Canine), Rat (Rattus), Chimpanzee
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	ASAP1
Alternative Name:	ASAP1 (ASAP1 Products)

Target Details

Background: This antibody is designed, produced, 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.

Synonyms: 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

Gene ID: 13196, 65301464

UniProt: [Q9QWY8](#)

Application Details

Application Notes: 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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.09 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

Handling

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

Storage: -20 °C

Publications

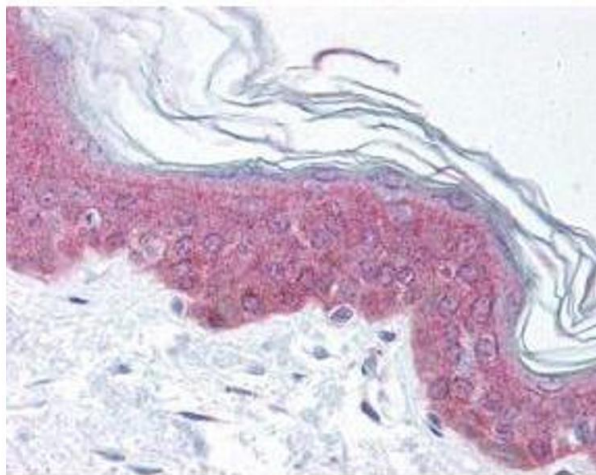
Product cited in:

Welc, Flores, Wehling-Henricks, Ramos, Wang, Bertoni, Tidball: "Targeting a therapeutic LIF transgene to muscle via the immune system ameliorates muscular dystrophy." in: **Nature communications**, Vol. 10, Issue 1, pp. 2788, (2019) ([PubMed](#)).

Finno, Gianino, Perumbakkam, Williams, Bordbari, Gardner, Burns, Peng, Durward-Akhurst, Valberg: "A missense mutation in MYH1 is associated with susceptibility to immune-mediated myositis in Quarter Horses." in: **Skeletal muscle**, Vol. 8, Issue 1, pp. 7, (2018) ([PubMed](#)).

Huang, Ge, Izzi, Greenspan: "α3 Chains of type V collagen regulate breast tumour growth via glypican-1." in: **Nature communications**, Vol. 8, pp. 14351, (2018) ([PubMed](#)).

Images



Immunohistochemistry

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