

Datasheet for ABIN7265659 anti-ASAP2 antibody (AA 1-120)



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1 Image

Overview

Quantity:	100 µL
Target:	ASAP2
Binding Specificity:	AA 1-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	ASAP2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human ASAP2 (NP_001128663).
Sequence:	MPDQISVSEF VAETHEDYKA PTASSFTTTRT AQRNTVAAI EEALDVDRMV LYKMKKSVKA INSSGLAHVE NEEQYTQALE KFGGNCVCRD DPDLGSAFLK FSVFTKELTA LFKNLIQNMN
Isotype:	IgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ASAP2
Alternative Name:	ASAP2 (ASAP2 Products)
Background:	<p>This gene encodes a multidomain protein containing an N-terminal alpha-helical region with a coiled-coil motif, followed by a pleckstrin homology (PH) domain, an Arf-GAP domain, an ankyrin homology region, a proline-rich region, and a C-terminal Src homology 3 (SH3) domain. The protein localizes in the Golgi apparatus and at the plasma membrane, where it colocalizes with protein tyrosine kinase 2-beta (PYK2). The encoded protein forms a stable complex with PYK2 in vivo. This interaction appears to be mediated by binding of its SH3 domain to the C-terminal proline-rich domain of PYK2. The encoded protein is tyrosine phosphorylated by activated PYK2. It has catalytic activity for class I and II ArfGAPs in vitro, and can bind the class III Arf ARF6 without immediate GAP activity. The encoded protein is believed to function as an ARF GAP that controls ARF-mediated vesicle budding when recruited to Golgi membranes. In addition, it functions as a substrate and downstream target for PYK2 and SRC, a pathway that may be involved in the regulation of vesicular transport. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008],AMAP2,CENTB3,DDEF2,PAG3,PAP,Pap-alpha,SHAG1,ASAP2,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Microfilaments,ASAP2</p>
Gene ID:	8853
UniProt:	O43150

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

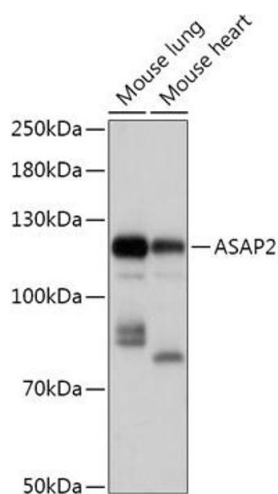
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN7265659) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.