Datasheet for ABIN2790909

anti-ASAP2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	ASAP2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Dog, Rabbit, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human ASAP2
Sequence:	LSTDLHTIKQ AQDEERRQLI QLRDILKSAL QVEQKEDSQI RQSTAYSLHQ
Predicted Reactivity:	Dog: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 78%, Rat: 93%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against ASAP2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ASAP2
Alternative Name:	ASAP2 (ASAP2 Products)

Target Details

Background:	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. Alias Symbols: AMAP2, CENTB3, DDEF2, PAG3, PAP, Pap-alpha, SHAG1 Protein Interaction Partner: SH3KBP1, MAP1LC3A, CTTN, Asap1, IKBKG, UBC, SUMO1, ELAVL1, ITSN1, THSD7A, GRB2, PACSIN3, PXN, BIN1, PTK2B, RAN, ARF6, REPS2, ARF5, ARF1, SRC, TBRG4, Protein Size: 1006
Molecular Weight:	112 kDa
Gene ID:	8853
NCBI Accession:	NM_003887, NP_003878
UniProt:	O43150

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1006 AA
Restrictions:	For Research Use only

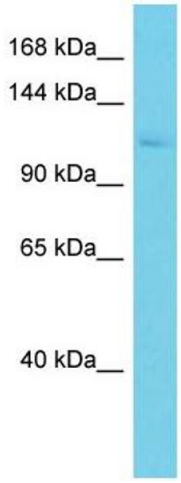
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: ASAP2 Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml