Datasheet for ABIN233800

anti-ASAP3 antibody

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Overview

Quantity:	100 µg
Target:	ASAP3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASAP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This antibody was prepared from whole rabbit serum produced by repeated immunizations with recombinant human UPLC1/ASAP3 protein. Immunogentype:Recombinant
Isotype:	IgG

Target Details

Target:	ASAP3
Alternative Name:	Uplc1/Asap3 (ASAP3 Products)
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. Anti-UPLC1 (up-regulated in liver cancer 1) / ASAP3 Antibody, also named DDEFL1 (development and differentiation-enhancing factor-like 1) or ASAP3, is a member of the AZAP family of proteins. These proteins catalyze the hydrolysis of GTP bound to ADP-

Target Details

	ribosylation factor (Arf) proteins, thereby causing Arf inactivation. For this reason, the ASAPs are generally called ArfGAPs. The activity of ArfGAPs is dependent on the presence of phosphoinositides and is implicated in cellular processes such as membrane trafficking and remodeling of the actin cytoskeleton. ASAP3 has been found to be up-regulated in 80% of the hepatocellular carcinomas examined. Initial biochemical characterization reveals that ASAP3 shows class-specific GAP activity on Arf proteins, preferring Arf5 over Arf1 and Arf6. ASAP3 antibody has beed developed through the NCI antibody collaboration program and is ideal for Cancer and Signal Transduction research. Synonyms: ASAP3 Antibody, Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 3, FLJ20199 antibody, Gm140 antibody
Gene ID:	55616, 19071867
UniProt:	Q8TDY4

Application Details

Application Notes:	This protein A purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 100 kDa in size corresponding to UPLC1/ASAP3 protein by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

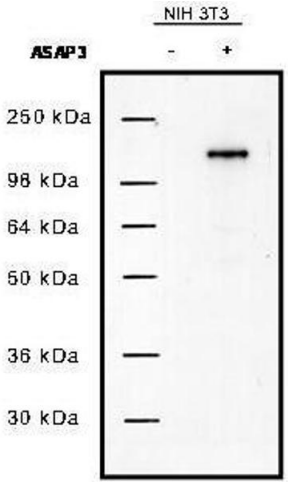
Handling

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

Publications

Product cited in:	Luo, Kong, Wang, Chen, Liu, Wang, Xu, Wang, Yang: "Loss of ASAP3 destabilizes cytoskeletal protein ACTG1 to suppress cancer cell migration." in: **Molecular medicine reports**, Vol. 9, Issue 2, pp. 387-94, (2014) (PubMed).

Images



Western Blotting

Image 1. Western blot using protein A purified anti-UPLC1/ASAP3 antibody shows detection of UPLC1/ASAP3 in NIH/3T3 cells over-expressing the protein. Cell extracts (5 ug) were resolved by electrophoresis and transferred to nitrocellulose. The membrane was probed with anti-UPLC1/ASAP3 at a 1:10,000 dilution. Personal Communication, Vi Luan HA, CCR-NCI, Bethesda, MD. 1

