ARG10956
anti-ASAP1 antibody [7B12]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [7B12] recognizes ASAP1
Tested Reactivity	Hu, Rat
Tested Application	ELISA, IHC-Fr, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	7B12
Isotype	IgG2a
Target Name	ASAP1
Species	Human
Immunogen	Recombinant Protein of Human ASAP1 with N-terminal GST tag.
Conjugation	Un-conjugated
Alternate Names	PAP; Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1; 130 kDa phosphatidylinositol 4,5-bisphosphate-dependent ARF1 GTPase-activating protein; ARF GTPase-activating protein 1; CENTB4; DDEF1; PIP2-dependent ARF1 GAP; PAG2; ZG14P; Differentiation-enhancing factor 1; AMAP1; ADP-ribosylation factor-directed GTPase-activating protein 1; DEF-1; Development and differentiation-enhancing factor 1

Application Instructions

Application table

Application	Dilution
ELISA	Assay-dependent
IHC-Fr	5 µg/ml
IHC-P	5 µg/ml
IP	10 µg/ml
WB	1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human: HT29 and MDA-MB-231. Rat: ASAP1 is strongly expressed in ASML and weakly expressed in 1AS pancreatic carcinoma cells.

Properties

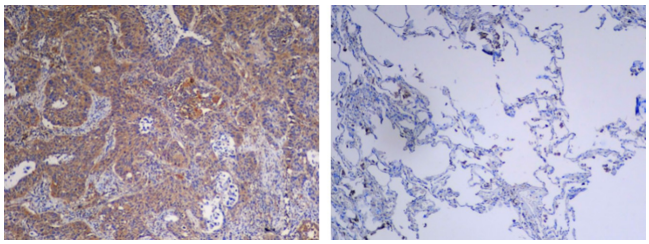
Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS and 0.02% Sodium azide.

Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ASAP1
Gene Full Name	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1
Background	This gene encodes an ADP-ribosylation factor (ARF) GTPase-activating protein. The GTPase-activating activity is stimulated by phosphatidylinositol 4,5-biphosphate (PIP2), and is greater towards ARF1 and ARF5, and lesser for ARF6. This gene maybe involved in regulation of membrane trafficking and cytoskeleton remodeling. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Function	Possesses phosphatidylinositol 4,5-bisphosphate-dependent GTPase-activating protein activity for ARF1 (ADP ribosylation factor 1) and ARF5 and a lesser activity towards ARF6. May coordinate membrane trafficking with cell growth or actin cytoskeleton remodeling by binding to both SRC and PIP2. May function as a signal transduction protein involved in the differentiation of fibroblasts into adipocytes and possibly other cell types (By similarity). Plays a role in ciliogenesis. [UniProt]
Calculated Mw	125 kDa
PTM	Phosphorylated on tyrosine residues by SRC. [UniProt]

Images



ARG10956 anti-ASAP1 antibody [7B12] IHC-P image

Immunohistochemistry: High expression ASAP1 NSCLC tissue (left) and Low expression ASAP1 NSCLC tissue (right) stained with ARG10956 anti-ASAP1 antibody [7B12].

From Qixian Zheng et al. (2023), doi: org/10.21203/rs.3.rs-3068684/v1, Fig. 1 & 2.