Recombinant Human ASAP1 293 Cell Lysate

Cat. No. ASAP1-8668HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ASAP1 ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 [Homo sapiens]
Official Symbol	ASAP1
Synonyms	ASAP1; ArfGAP with SH3 domain, ankyrin repeat and PH domain 1; DDEF1, development and differentiation enhancing factor 1; arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1; centaurin; beta 4; CENTB4; KIAA1249; PAP; ZG14P; DEF-1; centaurin, beta 4; PIP2-dependent ARF1 GAP; ARF GTPase-activating protein 1; development and differentiation-enhancing factor 1; ADP-ribosylation factor-directed GTPase-activating protein 1; 130 kDa phosphatidylinositol 4,5-biphosphate-dependent ARF1 GTPase-activating protein; 130 kDa phosphatidylinositol 4,5-bisphosphate-dependent ARF1 GTPase-activating protein; PAG2; AMAP1; DDEF1;
Gene ID	50807
mRNA Refseq	NM_001247996
Protein Refseq	NP_001234925
MIM	605953
UniProt ID	Q9ULH1
Chromosome	8q24.1-q24.2

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Location	
Pathway	Arf1 pathway, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Signaling events mediated by focal adhesion kinase, organism-specific biosystem;
Function	ARF GTPase activator activity; SH3 domain binding; cytoskeletal adaptor activity; metal ion binding; protein binding; zinc ion binding;

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