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## 11-8069: Polyclonal Antibody to ASAP1

Clonality: Polyclonal

Application: WB
Reactivity: Human
Gene: ASAP1
Gene ID: 50807
Uniprot ID: Q9ULH1
Format: Purified

130 kDa phosphatidylinositol 4,5-bisphosphate-dependent ARF1 GTPase-activating protein,

Alternative Name: ADP-ribosylation factor-directed GTPase-activating protein 1, Development and differentiation-

enhancing factor 1, PIP2-dependent ARF1 GAP, DDEF1, KIAA1249

**Isotype:** Rabbit IgG

Immunogen Information: A partial length recombinant ASAP1 protein (amino acids 912-1115) was used as the

immunogen for this antibody.

## **Description**

ASAP (Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1) or Development and differentiation-enhancing factor 1 or DDEF1 is an ADP-ribosylation factor (ARF) GTPase-activating protein with two known isoforms: ASAP1a and ASAP1b (125 and 126 kDa, respectively). ASAP contains a pleckstrin homology (PH) domain, a zinc finger motif, 3 ankyrin repeats, a proline-rich region containing several SH3 ligand motifs, and an SH3 domain. GTPase-activating property of ASAP1 is induced by phosphatidylinositol 4,5-biphosphate (PIP2) of the PH domain. ASAP1 plays an important role in cytoskeleton remodeling and regulation of membrane trafficking. ASAP1 acts as a proto-oncogene in breast cancer and other malignant tumors. ASAP is highly expressed in brain tissue.

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

**Purification:** Protein A Chromatography

**Content:** 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

**Storage condition :** Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml



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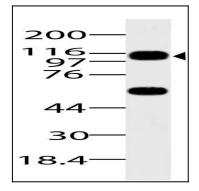


Fig-1: Western blot analysis of ASAP1. Anti-ASAP1 antibody (11-8069) was used at 4  $\mu g/ml$  on Pancrease lysate.