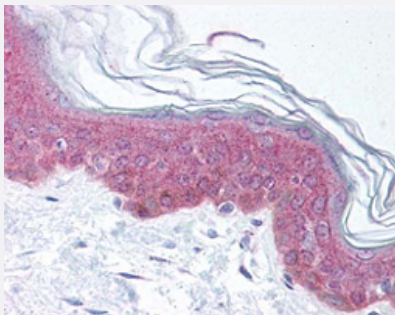


Asap1 (phospho Y782) polyclonal antibody

Catalog # PAB10087 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

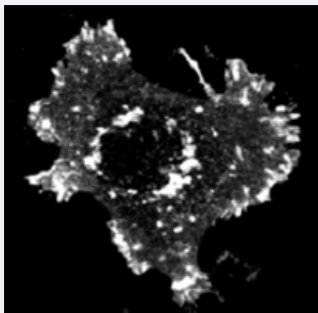
Asap1 (phospho Y782) polyclonal antibody (Cat # PAB10087) was used at 20 ug/mL to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides.

This image shows moderate intracellular positive staining in epidermal keratinocytes in human skin at 40X.

Tissue was formalin-fixed and paraffin embedded.

The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.

Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.



Immunofluorescence

Immunofluorescent microscopy using Asap1 (phospho Y782) polyclonal antibody (Cat # PAB10087) shows detection of phosphorylated Asap1 present in mouse NIH/3T3 cells transfected with activated Src.

Specific staining is not present when antibody is pre-incubated with the immunizing peptide prior to reaction with cells.

Personal Communication. Paul Randazzo, NIH, CCR, Bethesda, MD.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Asap1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y782 of mouse Asap1.
Host	Rabbit
Reactivity	Bovine, Chicken, Chimpanzee, Dog, Human, Mouse, Rat

Specificity	Reactivity occurs against mouse ASAP1 pY782 protein and This antibody is specific to the phosphorylated form of the protein.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:4000-1:16000) Western Blot (1:500-1:2000) Immunohistochemistry (20-40 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — Asap1

Entrez GeneID

[13196](#)

Protein Accession#	NP_034156(seealsoAAC98349);Q9QWY8
Gene Name	Asap1
Gene Alias	AV239055, Ddef1, PAP, mKIAA1249, s19
Gene Description	ArfGAP with SH# domain, ankyrin repeat and PH domain1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	development and differentiation enhancing

Publication Reference

- [Mislocalization or reduced expression of Arf GTPase-activating protein ASAP1 inhibits cell spreading and migration by influencing Arf1 GTPase cycling.](#)

Liu Y, Yerushalmi GM, Grigera PR, Parsons JT.

The Journal of Biological Chemistry 2005 Mar; 280(10):8884.

- [The tyrosine kinase Pyk2 regulates Arf1 activity by phosphorylation and inhibition of the Arf-GTPase-activating protein ASAP1.](#)

Kruljac-Letunic A, Moelleken J, Kallin A, Wieland F, Blaukat A.

The Journal of Biological Chemistry 2003 Aug; 278(32):29560.

Application: WB, Mouse, PC-12 cells, MEFs

- [The association of ASAP1, an ADP ribosylation factor-GTPase activating protein, with focal adhesion kinase contributes to the process of focal adhesion assembly.](#)

Liu Y, Loijens JC, Martin KH, Karginov AV, Parsons JT.

Molecular Biology of the Cell 2002 Jun; 13(6):2147.