

# Product Datasheet

## ASAP1 Antibody NBP2-48909

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-48909**

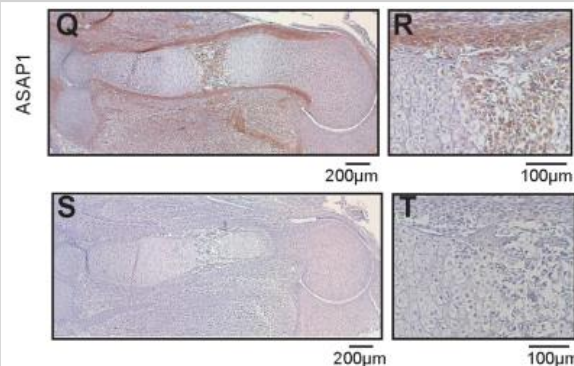
ASAP1 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	50807
Gene Symbol	ASAP1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31246957).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: PKPGELPPKPQLGDLPPKPQLSDLPPKPQMKDLPPKPQLGDLLAKSQTGDVSP KAQQPSEVTLKSHPLDLSPNVQSRDAIQKQASEDSNDLTPTLPETPVPLPRKIN TGKNKVERRVKTIYDC
Product Application Details	
Applications	Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockout Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

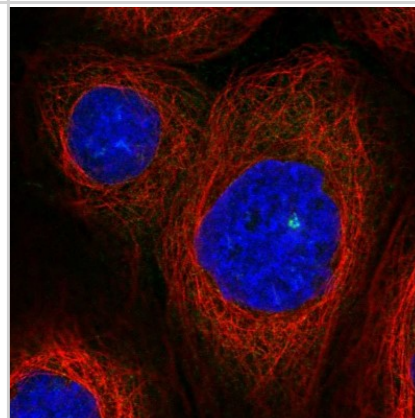


## Images

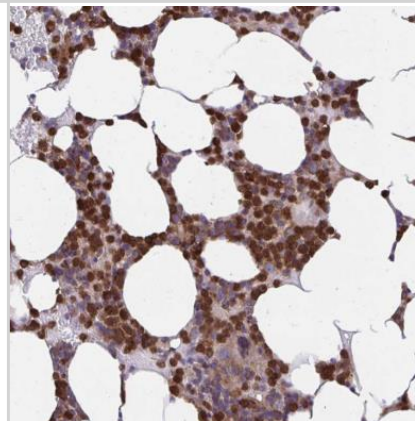
Knockout Validated: ASAP1 Antibody [NBP2-48909] - Loss of ASAP1 results in expansion of the hypertrophic zone. E15.5 *Asap1*<sup>+/+</sup> (Q,R) and *Asap1*<sup>GT/GT</sup> (S,T). ASAP1 immunostaining indicates specific expression of ASAP1 in the perichondrium, in late hypertrophic chondrocytes and in the primary ossification center. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1008216>) licensed under a CC-BY licence.



Immunocytochemistry/Immunofluorescence: ASAP1 Antibody [NBP2-48909] - Immunofluorescent staining of human cell line A-431 shows localization to centrosome.



Immunohistochemistry-Paraffin: ASAP1 Antibody [NBP2-48909] - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



## Publications

Schreiber C, Saraswati S, Harkins S et al. Loss of ASAP1 in mice impairs adipogenic and osteogenic differentiation of mesenchymal progenitor cells through dysregulation of FAK/Src and AKT signaling PLoS Genet. Jun 1 2019 12:00AM [PMID: 31246957] (IHC, Mouse)



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### **Products Related to NBP2-48909**

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NBP2-48909PEP	ASAP1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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