Product Datasheet

ASAP1 Antibody - BSA Free
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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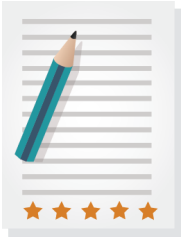
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-48909

Updated 12/2/2025 v.20.1



NBP2-48909

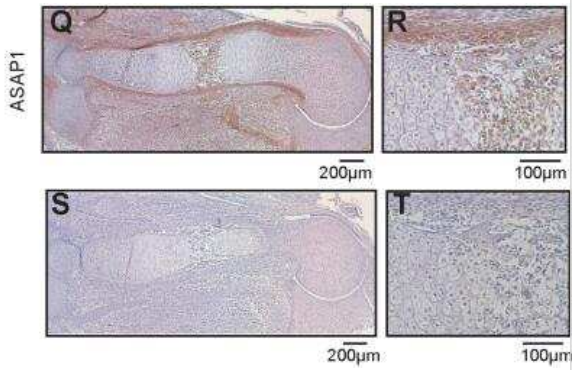
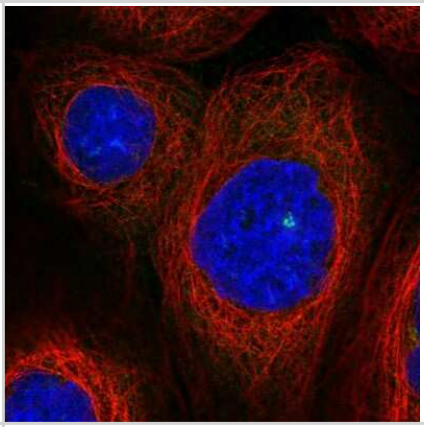
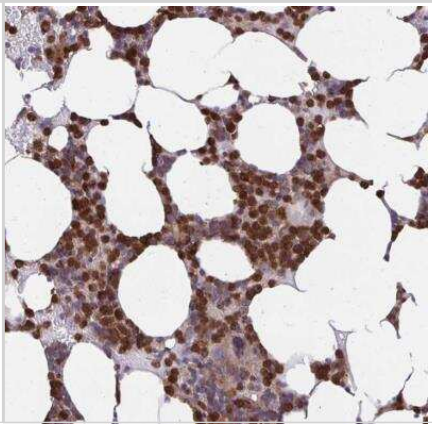
ASAP1 Antibody - BSA Free

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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

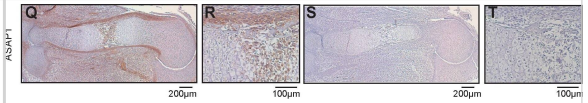
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit ASAP1 Antibody - BSA Free (NBP2-48909) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-ASAP1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	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 TGKNKVRRVKTIYDC

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, 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

Western Blot: ASAP1 Antibody [NBP2-48909] - Loss of ASAP1 results in expansion of the hypertrophic zone. E15.5 Asap1+/+ (Q,R) and Asap1GT/GT (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 license.	
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.	

Immunohistochemistry: ASAP1 Antibody [NBP2-48909] - Loss of ASAP1 results in expansion of the hypertrophic zone.(A-D) E15.5 Asap1+/+ & Asap1GT/GT growth plates of the humerus stained for Alcian Blue / von Kossa in blue & black, respectively. The length of the hypertrophic zone (hz) is demarcated by a black bar. (E-T) Immunostaining of E15.5 Asap1+/+ & Asap1GT/GT humeral growth plates. Staining of the hypertrophic marker collagen X (E-H) & the osteogenic markers osteocalcin (I-L) & osteopontin (M-P) was detected by Nova Red & counterstained with hematoxilin. ASAP1 immunostaining indicates specific expression of ASAP1 in the perichondrium, in late hypertrophic chondrocytes & in the primary ossification center (Q-T). The scale bars shown at the bottom of the panels apply to all pictures above the given scale bar. (U) Quantification of the distal hypertrophic zones of the humerus of Asap1+/+ & Asap1GT/GT animals (Asap1+/+ n = 5, Asap1GT/GT n = 5). Graphs show the mean ± SD. Significance was calculated using the Student's t-test. **, p <0.005. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31246957), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Schreiber C, Gruber A, Robwag S et al. Loss of ASAP1 in the MMTV-PyMT model of luminal breast cancer activates AKT, accelerates tumorigenesis, and promotes metastasis Cancer letters 2022-02-15 [PMID: 35181478] (IHC-P, Mouse)

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. 2019-06-01 [PMID: 31246957] (IF/IHC, Mouse)

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Products Related to NBP2-48909

NBP2-48909PEP	ASAP1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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