

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.

www.novusbio.com



technical@novusbio.com

Publications: 2

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

Updated 12/20/2023 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-48909



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

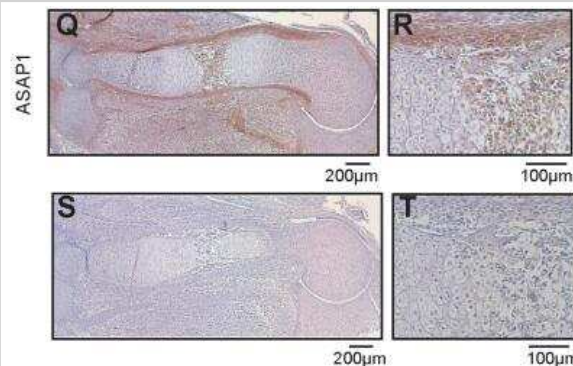
Product Description	
Host	Rabbit
Gene ID	50807
Gene Symbol	ASAP1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31246957).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: PKPGELPPKPQLGDLPPKPQLSDLPPKPQMKDLPPKPQLGDLLAKSQTGDVSP 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.

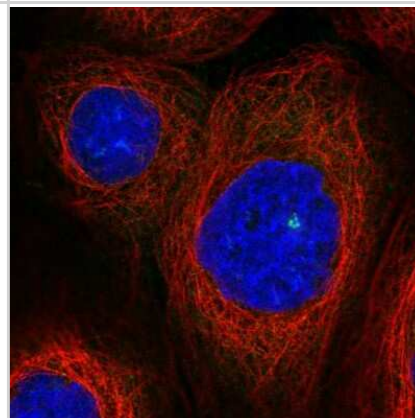


Images

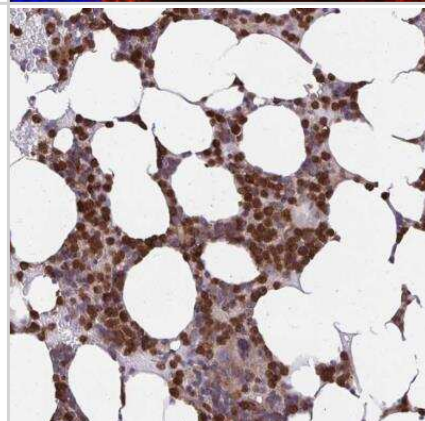
Knockout Validated: ASAP1 Antibody [NBP2-48909] - Loss of ASAP1 results in expansion of the hypertrophic zone. E15.5 *Asap1*^{+/+} (Q,R) and *Asap1*^{GT/GT} (S,T). ASAP1 immunostaining indicates specific expression of ASAP1 in the perichondrium, in late hypertrophic chondrocytes and in the primary ossification 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.



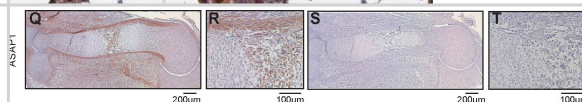
Immunocytochemistry/Immunofluorescence: ASAP1 Antibody [NBP2-48909] - Immunofluorescent staining of human cell line A-431 shows localization to centrosome.



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



Loss of ASAP1 results in expansion of the hypertrophic zone.(A-D) E15.5 *Asap1*^{+/+} and *Asap1*^{GT/GT} growth plates of the humerus stained for Alcian Blue / von Kossa in blue and black, respectively. The length of the hypertrophic zone (hz) is demarcated by a black bar. (E-T) Immunostaining of E15.5 *Asap1*^{+/+} and *Asap1*^{GT/GT} humeral growth plates. Staining of the hypertrophic marker collagen X (E-H) and the osteogenic markers osteocalcin (I-L) and osteopontin (M-P) was detected by Nova Red and counterstained with hematoxylin. ASAP1 immunostaining indicates specific expression of ASAP1 in the perichondrium, in late hypertrophic chondrocytes and 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*^{+/+} and *Asap1*^{GT/GT} animals (*Asap1*^{+/+} n = 5, *Asap1*^{GT/GT} n = 5). Graphs show the mean \pm SD. Significance was calculated using the Student's t-test. **, p < 0.005. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/31246957>), licensed under a CC-BY licence.



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)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-48909

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

