

Product Datasheet

AUTS2 Antibody - BSA Free NBP1-84717

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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NBP1-84717

AUTS2 Antibody - BSA Free

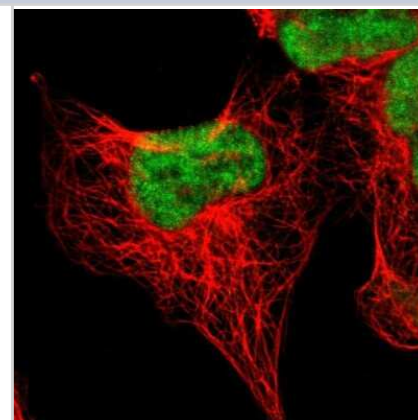
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	26053
Gene Symbol	AUTS2
Species	Human, Mouse
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NSSSSVHPGPLASMPMTVGVTGIHPMNSISSLDRTMMTPFMGISPLPGGGERF PYPSFHWDPIRDPLRDPYRELDIHRRDPLGRDFLLRNDPLHRLSTPRLYEADR

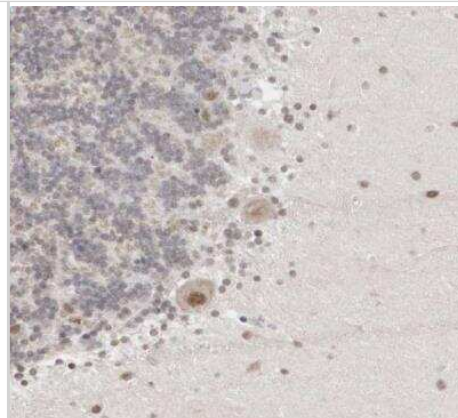
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.04-0.4 µg/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 µg/ml, Immunohistochemistry-Paraffin 1:50 - 1:200, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID: 25180570)
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

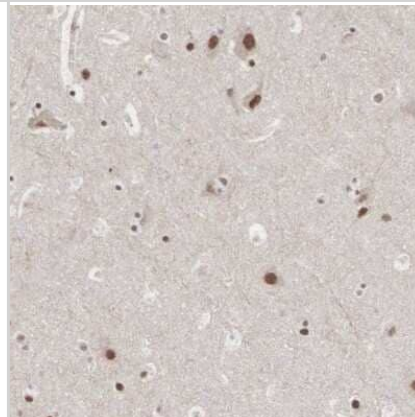
Immunocytochemistry/Immunofluorescence: AUTS2 Antibody [NBP1-84717] - Staining of human cell line A-431 shows localization to nucleoplasm. Antibody staining is shown in green.



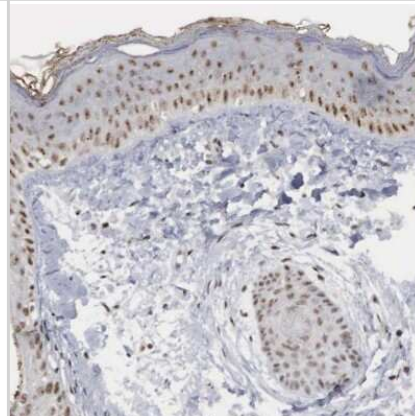
Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of human cerebellum shows moderate nuclear positivity in purkinje cells.



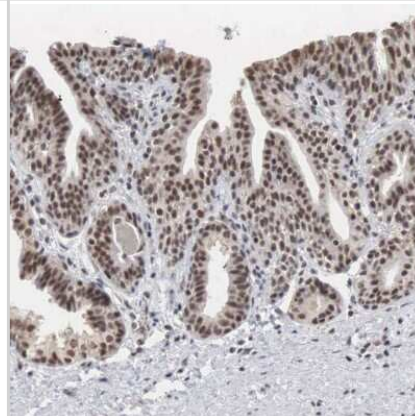
Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of human cerebral cortex shows moderate nuclear positivity in neuronal cells.



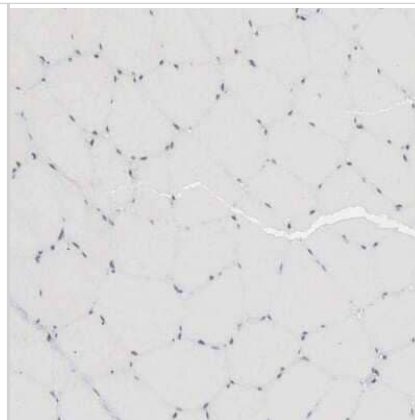
Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of human skin shows moderate nuclear positivity.



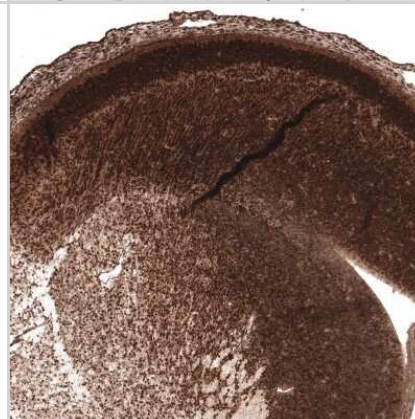
Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of human prostate shows weak to moderate nuclear positivity in glandular cells.



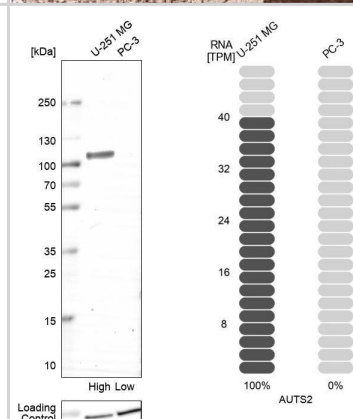
Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of human skeletal muscle shows very weak to negative nuclear positivity in monocytes.



Immunohistochemistry-Paraffin: AUTS2 Antibody [NBP1-84717] - Staining of mouse embryo (E14) cortical plate shows strong nuclear positivity in neuronal cells.



Analysis in human cell lines U-251MG and PC-3 using Anti-AUTS2 antibody. Corresponding AUTS2 RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



Publications

Oksenberg N, Haliburton GD, Eckalbar WL et al. Genome-wide distribution of Auts2 binding localizes with active neurodevelopmental genes. *Transl Psychiatry* 2014-09-02 [PMID: 25180570] (Chemotaxis, Mouse)

Lancaster MA, Renner M, Martin CA et al. Cerebral organoids model human brain development and microcephaly. *Nature* 2013-09-19 [PMID: 23995685]

Bedogni F, Hodge RD, Nelson BR et al. Autism susceptibility candidate 2 (Auts2) encodes a nuclear protein expressed in developing brain regions implicated in autism neuropathology. *Gene Expr Patterns* 2010-01-01 [PMID: 19948250]

Ek S, Andreasson U, Hober S et al. From gene expression analysis to tissue microarrays: a rational approach to identify therapeutic and diagnostic targets in lymphoid malignancies. *Mol Cell Proteomics* 2006-06-01 [PMID: 16524965]



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Products Related to NBP1-84717

NBP1-84717PEP	AUTS2 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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