

Product Datasheet

S100A10 Antibody - BSA Free

NBP1-89370

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: 4

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NBP1-89370

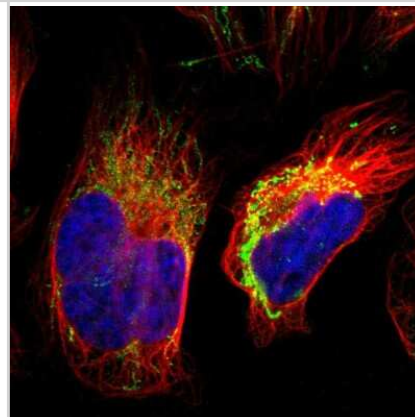
S100A10 Antibody - BSA Free

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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit S100A10 Antibody - BSA Free (NBP1-89370) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-S100A10 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6281
Gene Symbol	S100A10
Species	Human, Rat
Reactivity Notes	Use in Rat reported in scientific literature (PMID:34510519). .
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MPSQMEHAMETMMFTFHKFAGDKGYLTKEDLRVLMEKEFPGFLENQKDPLAV DKIMKDLDQCRDGKV
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation Reported in scientific publication (PMID: 32427586), Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

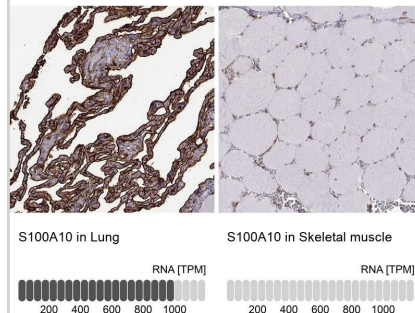


Images

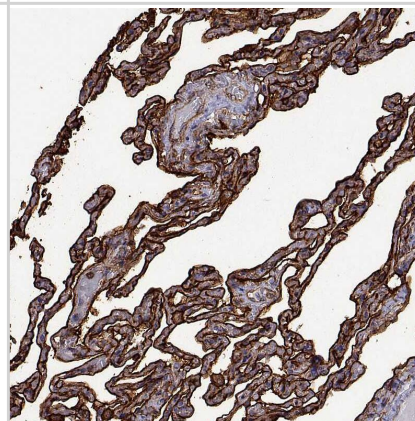
Immunocytochemistry/Immunofluorescence: S100A10 Antibody [NBP1-89370] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



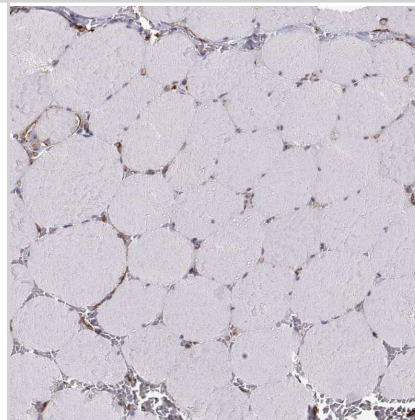
Analysis in human lung and skeletal muscle tissues using NBP1-89370 antibody. Corresponding S100A10 RNA-seq data are presented for the same tissues.



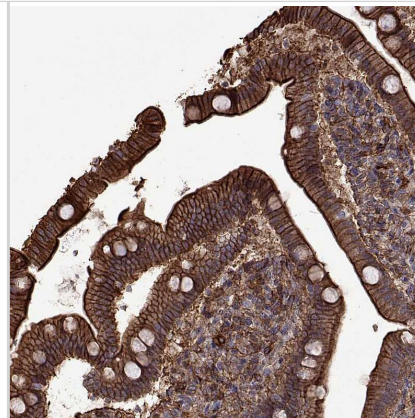
Staining of human lung shows strong membranous positivity in macrophages.



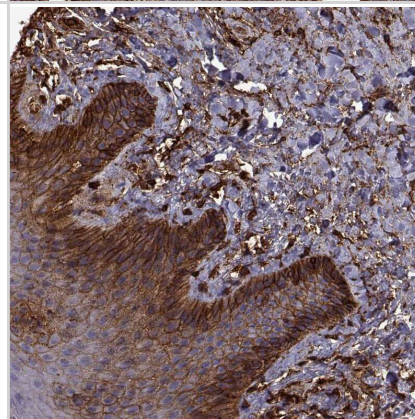
Analysis in human lung and skeletal muscle tissues using NBP1-89370 antibody. Corresponding S100A10 RNA-seq data are presented for the same tissues.



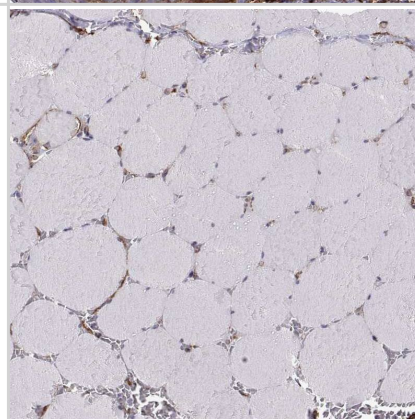
Staining of human small intestine shows strong membranous positivity in glandular cells.



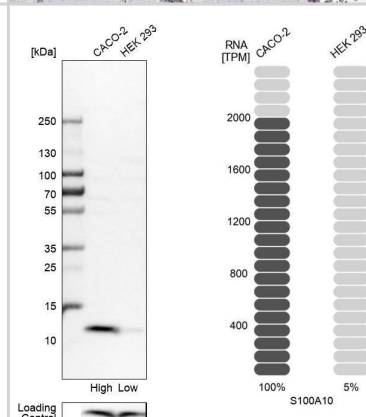
Staining of human skin shows strong membranous positivity in squamous epithelial cells.



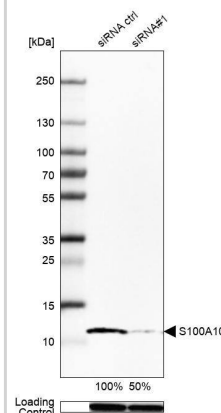
Staining of human skeletal muscle shows no membranous positivity in myocytes as expected.



Analysis in human cell lines Caco-2 and HEK293 using Anti-S100A10 antibody. Corresponding S100A10 RNA-seq data are presented for the same cell lines. Loading control: Anti-COX4I1.



Analysis in Caco-2 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-S100A10 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Publications

Olschewski, DN;Nazarzadeh, N;Lange, F;Koenig, AM;Kulka, C;Abraham, JA;Blaschke, SJ;Merkel, R;Hoffmann, B;Fink, GR;Schroeter, M;Rueger, MA;Vay, SU; The angiotensin II receptors type 1 and 2 modulate astrocytes and their crosstalk with microglia and neurons in an in vitro model of ischemic stroke BMC neuroscience 2024-06-26 [PMID: 38926677]

Klein I, Boenert J, Lange F et al. Glia from the central and peripheral nervous system are differentially affected by paclitaxel chemotherapy via modulating their neuroinflammatory and neuroregenerative properties Frontiers in pharmacology 2022-11-02 [PMID: 36408236]

Vay SU, Olschewski DN, Petereit H et al. Osteopontin regulates proliferation, migration, and survival of astrocytes depending on their activation phenotype Journal of neuroscience research 2021-09-12 [PMID: 34510519] (ICC/IF, Rat)

Lu H, Xie Y, Tran L et al. Chemotherapy-induced S100A10 recruits KDM6A to facilitate OCT4-mediated breast cancer stemness J Clin Invest. 2020-05-19 [PMID: 32427586] (KD, IP, Human)



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Products Related to NBP1-89370

NBP1-89370PEP	S100A10 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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