

Product Datasheet

S100A6 Antibody - BSA Free

NBP1-89388

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: 8

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Updated 2/21/2025 v.20.1

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NBP1-89388

S100A6 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

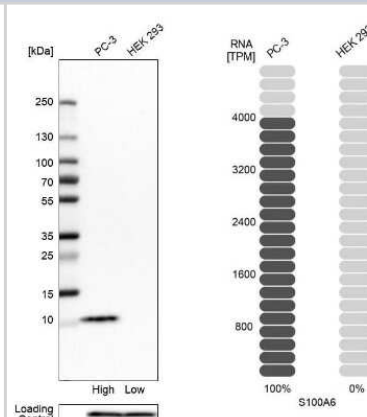
Host	Rabbit
Gene ID	6277
Gene Symbol	S100A6
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AIFHKYSGREGDKHTLSKKELKELIQKELTIGSKLQDAEIARLMEDLDRNKDQEV NFQEYVTFLGALALIYNE

Product Application Details

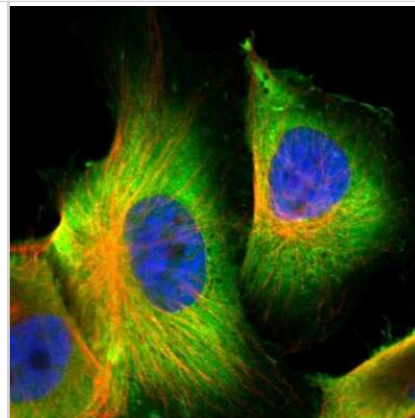
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

Images

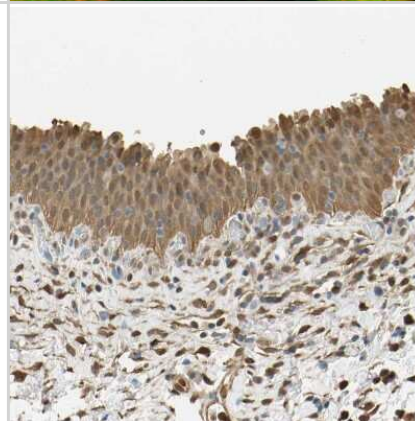
Western Blot: S100A6 Antibody [NBP1-89388] - Analysis in human cell lines PC-3 and HEK293 using anti-S100A6 antibody. Corresponding S100A6 RNA-seq data are presented for the same cell lines. Loading control: anti-PFN1.



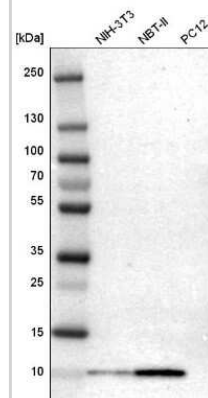
Immunocytochemistry/Immunofluorescence: S100A6 Antibody [NBP1-89388] - Staining of human cell line U-251 MG shows localization to plasma membrane & cytosol. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: S100A6 Antibody [NBP1-89388] - Staining of human urinary bladder shows moderate cytoplasmic and nuclear positivity in urothelial cells.



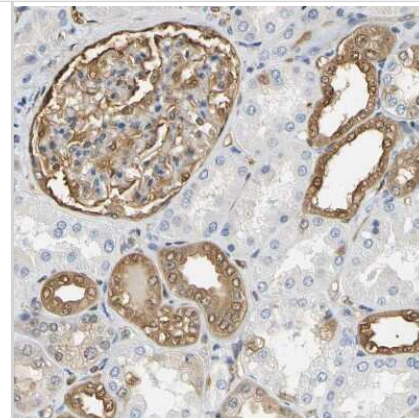
Western Blot: S100A6 Antibody [NBP1-89388] - Analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



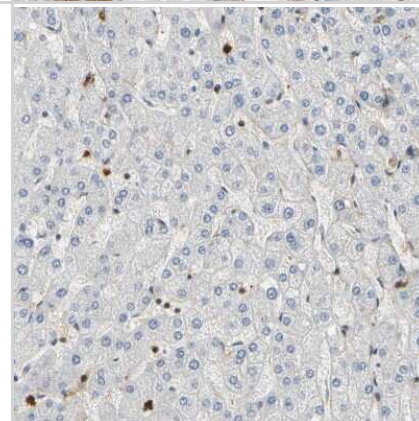
Immunohistochemistry-Paraffin: S100A6 Antibody [NBP1-89388] - Staining of human gastrointestinal shows moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: S100A6 Antibody [NBP1-89388] - Staining of human kidney shows moderate cytoplasmic positivity in cells in distal tubules and in glomeruli.



Immunohistochemistry-Paraffin: S100A6 Antibody [NBP1-89388] - Staining of human liver shows no positivity in hepatocytes as expected.



Publications

Schartz ND, Liang HY, Carvalho K et al. C5aR1 antagonism suppresses inflammatory glial responses and alters cellular signaling in an Alzheimer's disease mouse model Nat Commun 2024-08-15 [PMID: 39147742]

Schartz ND, Liang HY, Carvalho K et al. C5aR1 antagonism suppresses inflammatory glial gene expression and alters cellular signaling in an aggressive Alzheimer's model bioRxiv 2023-08-27 [PMID: 37662399] (Immunohistochemistry)

Derk J, Como CN, Jones HE et al. Formation and function of the meningeal arachnoid barrier around the developing mouse brain Developmental cell 2023-03-22 [PMID: 36996816]

Jones HE, Abrams KA, Siegenthaler JA Techniques for visualizing fibroblast-vessel interactions in the developing and adult CNS Neurophotonics 2022-04-01 [PMID: 35402637]

Driskill JH, Zheng Y, Wu BK et al. WWTR1(TAZ)-CAMTA1 reprograms endothelial cells to drive epithelioid hemangioendothelioma Genes & development 2021-04-01 [PMID: 33766984]

DeSisto J, O'Rourke R, Jones HE et al. Single-Cell Transcriptomic Analyses of the Developing Meninges Reveal Meningeal Fibroblast Diversity and Function Dev. Cell 2020-07-06 [PMID: 32634398]

Tian ZY, Wang CY, Wang T et al. Glial S100A6 Degrades beta-amyloid Aggregation through Targeting Competition with Zinc Ions Aging Dis 2019-08-01 [PMID: 31440382] (ICC/IF, WB, Mouse)

Mehdi Damaghi, Narges K. Tafreshi, Mark C. Lloyd et al. Chronic acidosis in the tumour microenvironment selects for overexpression of LAMP2 in the plasma membrane. Nature Communications 2015-01-01 [PMID: 26658462] (IF/IHC, Human, Mouse)



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Products Related to NBP1-89388

NBP1-89388PEP	S100A6 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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