

Product Datasheet

S100A4 Antibody (1F12-1G7) - Azide and BSA Free H00006275-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00006275-M01

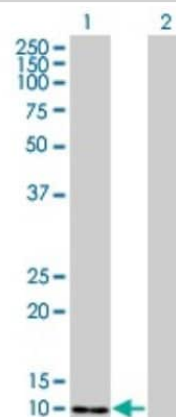
S100A4 Antibody (1F12-1G7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F12-1G7
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6275
Gene Symbol	S100A4
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	S100A4 - S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog)
Immunogen	S100A4 (AAH16300, 1 a.a. ~ 101 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MACPLEKALDVMVSTFHKYSGKEGDKFKLNKSELKELLTRELP SFLGKRTDEA AFQKLMSNLDSNRDNEVDFQEYCVFLSCIAMMCDEFFEGFPDKQPRKK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has been used for IF and ELISA. IHC was reported in scientific literature. Use in Immunohistochemistry reported in scientific literature (PMID: 24067916).

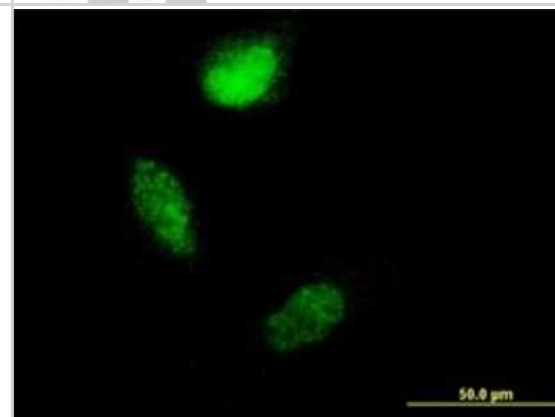


Images

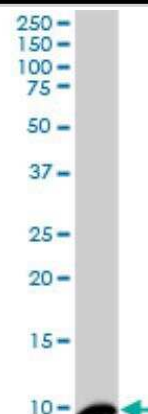
Western Blot: S100A4 Antibody (1F12-1G7) [H00006275-M01] - Analysis of S100A4 expression in transfected 293T cell line by S100A4 monoclonal antibody (M01), clone 1F12-1G7. Lane 1: S100A4 transfected lysate(11.7 KDa). Lane 2: Non-transfected lysate.



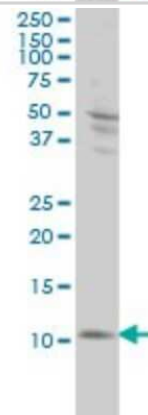
Immunocytochemistry/Immunofluorescence: S100A4 Antibody (1F12-1G7) [H00006275-M01] - Analysis of monoclonal antibody to S100A4 on HeLa cell. Antibody concentration 15 ug/ml.



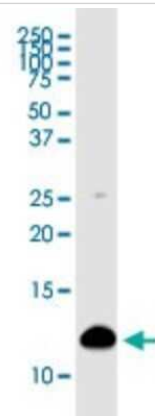
Western Blot: S100A4 Antibody (1F12-1G7) [H00006275-M01] - S100A4 expression in NIH/3T3 (Cat # L018V1).



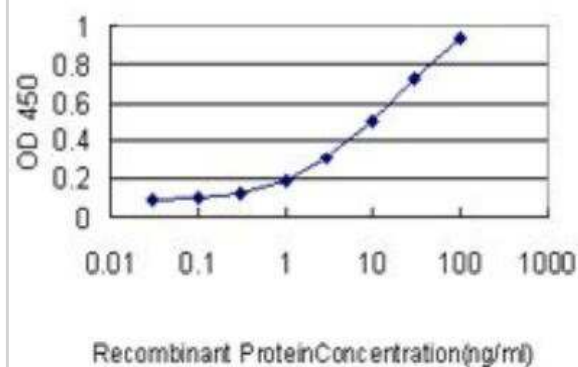
Western Blot: S100A4 Antibody (1F12-1G7) [H00006275-M01] - S100A4 monoclonal antibody (M01), clone 1F12-1G7 Analysis of S100A4 expression in Hela.



Western Blot: S100A4 Antibody (1F12-1G7) [H00006275-M01] - S100A4 monoclonal antibody (M01), clone 1F12-1G7. Analysis of S100A4 expression in Raw 264.7.



ELISA: S100A4 Antibody (1F12-1G7) [H00006275-M01] - Detection limit for recombinant GST tagged S100A4 is approximately 0.1ng/ml as a capture antibody.



Publications

Singh S, Adam M, Matkar P et al. Endothelial-specific Loss of IFT88 Promotes Endothelial-to-Mesenchymal Transition and Exacerbates Bleomycin-induced Pulmonary Fibrosis. *Sci Rep.* 2020-03-11 [PMID: 32161282]

Hou X, Zhang J, Wang Y et al. TGFBR-IDH1-Cav1 axis promotes TGF- β signalling in cancer-associated fibroblast. *Oncotarget.* 2017-10-13 [PMID: 29137396]

Liu T, Ma W, Xu H et al. PDGF-mediated mesenchymal transformation renders endothelial resistance to anti-VEGF treatment in glioblastoma. *Nat Commun* 2018-08-27 [PMID: 30150753]

Kan C, Ding N, Yang J et al. BMP-dependent, injury-induced stem cell niche as a mechanism of heterotopic ossification. *Stem Cell Res Ther* 2019-01-11 [PMID: 30635039] (ICC/IF, Mouse)

Lin SC, Lee YC, Yu G et al. Endothelial-to-Osteoblast Conversion Generates Osteoblastic Metastasis of Prostate Cancer. *Dev Cell* 2017-06-05 [PMID: 28586644]

Cosme J, Guo H, Hadipour-Lakmehsari S et al. Hypoxia-induced changes in the fibroblast secretome, exosome, and whole-cell proteome using cultured, cardiac-derived cells isolated from neonatal mice. *J Proteome Res* 2017-06-22 [PMID: 28641008]

Kan C, Chen L, Hu Y et al. Gli1-labeled adult mesenchymal stem/progenitor cells and hedgehog signaling contribute to endochondral heterotopic ossification. *Bone.* 2017-06-21 [PMID: 28645539]

Singh KK, Lovren F, Pan Y et al. The essential autophagy gene ATG7 modulates organ fibrosis via regulation of endothelial-to-mesenchymal transition. *J Biol Chem* 2015-01-30 [PMID: 25527499] (WB)

Nishioku T, Furusho K, Tomita A et al. Potential role for S100A4 in the disruption of the blood-brain barrier in collagen-induced arthritic mice, an animal model of rheumatoid arthritis. *Neuroscience.* 2011-05-26 [PMID: 21627981]

Swift-Gallant A, Monks DA. Androgen receptor expression in satellite cells of the neonatal levator ani of the rat. *Dev Neurobiol.* 2012-12-12 [PMID: 23239638]

Chen Y, Huang K, Nakatsu MN et al. Identification of novel molecular markers through transcriptomic analysis in human fetal and adult corneal endothelial cells. *Hum Mol Genet.* 2013-01-08 [PMID: 23257286]

Li Q, Zhang D, Wang Y et al. MiR-21/Smad 7 signaling determines TGF- β 1-induced CAF formation. *Sci Rep.* 2013-01-01 [PMID: 23784029]

More publications at <http://www.novusbio.com/H00006275-M01>





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Products Related to H00006275-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-72326-0.1mg	Recombinant Mouse S100A4 His Protein

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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