

Product Datasheet

alpha-Smooth Muscle Actin Antibody (1H8) - BSA Free NBP2-37641

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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NBP2-37641

alpha-Smooth Muscle Actin Antibody (1H8) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1H8
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	42 kDa

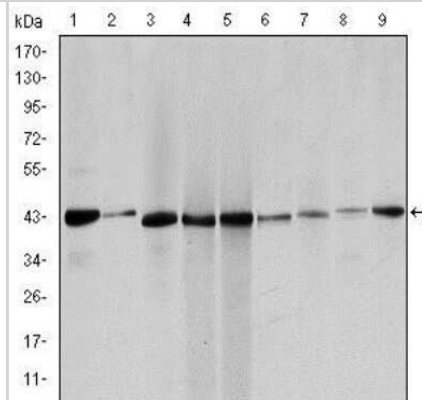
Product Description	
Host	Mouse
Gene ID	59
Gene Symbol	ACTA2
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human alpha-Smooth Muscle Actin expressed in E. Coli.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000

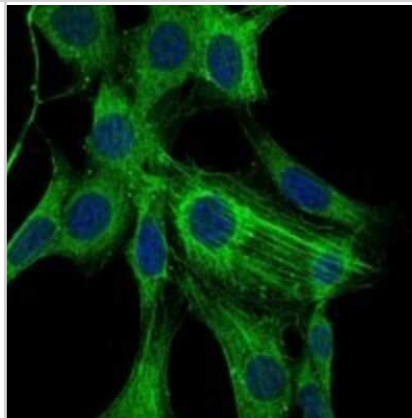


Images

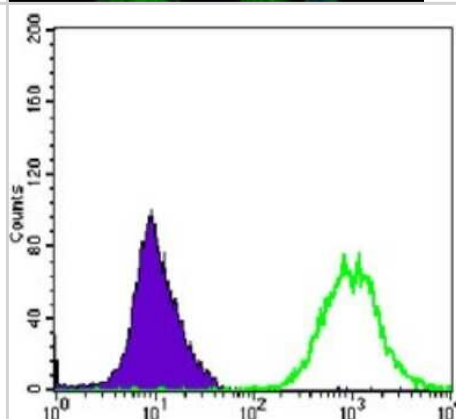
Western Blot: alpha-Smooth Muscle Actin Antibody (1H8) [NBP2-37641] - Analysis using alpha-Smooth Muscle Actin Antibody (1H8) against Hela (1), Jurkat (2), HepG2 (3), MCF-7 (4), A431 (5), A549 (6), PC-12 (7), NIH/3T3 (8) and Cos7 (9) cell lysate. Bands indicate an observed molecular weight of ~42 kDa.



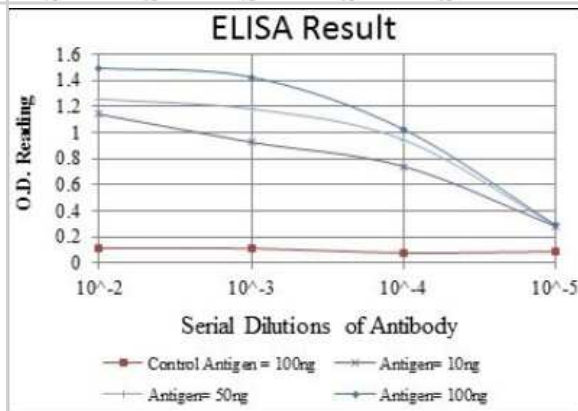
Immunocytochemistry/Immunofluorescence: alpha-Smooth Muscle Actin Antibody (1H8) [NBP2-37641] - Analysis of NIH/3T3 cells using ACTA2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry: alpha-Smooth Muscle Actin Antibody (1H8) [NBP2-37641] - Analysis of Hela cells using alpha-Smooth Muscle Actin Antibody (1H8) (green) and negative control (purple).



ELISA: alpha-Smooth Muscle Actin Antibody (1H8) [NBP2-37641] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Publications

Ghatak S, Markwald RR, Hascall VC et al. Transforming growth factor B1 (TGFB1) regulates CD44V6 expression and activity through extracellular signal-regulated kinase (ERK)-induced EGR1 in pulmonary fibrogenic fibroblasts. *J. Biol. Chem.* 2017-06-23 [PMID: 28389562] (WB)



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Products Related to NBP2-37641

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000059-P01-10ug	Recombinant Human alpha-Smooth Muscle Actin GST (N-Term) 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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