

Product Datasheet

Musashi-1 Antibody - BSA Free NB100-1759

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-1759

Musashi-1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
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

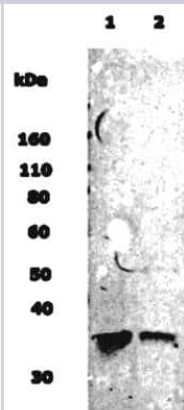
Product Description	
Host	Rabbit
Gene ID	4440
Gene Symbol	MSI1
Species	Human, Mouse, Rat
Reactivity Notes	Reacts with human, rat, and mouse Musashi 1 protein.
Marker	Neuronal Stem Cell Marker
Specificity/Sensitivity	Musashi 1 - Neuronal Stem Cell Marker
Immunogen	Reacts with residues 5-21 [APQPGLASPDSPHDPCK] of the human, mouse and rat Musashi 1 protein.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24006477)

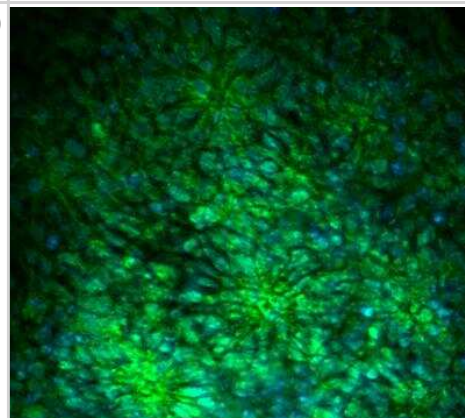


Images

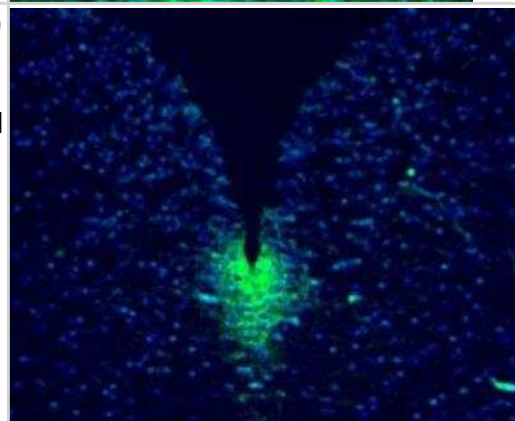
Western Blot: Musashi-1 Antibody [NB100-1759] - Detection of Musashi-1 protein in 10 ug of rat neural stem cell lysate (lane 1) and normal human brain lysate (lane 2) with Musashi-1 antibody NB100-1759 at a dilution of 1:500.



Immunocytochemistry/Immunofluorescence: Musashi-1 Antibody [NB100-1759] - Staining with Musashi polyclonal antibody (1:100 dilution) shows Musashi (green) staining on neural rosettes (human). Nuclei are counterstained blue (DAPI). Cells were fixed with 4 percent PFA. No antigen retrieval was done.



Immunocytochemistry/Immunofluorescence: Musashi-1 Antibody [NB100-1759] - Musashi-positive cells stained with Musashi antibody (1:150 dilution) in the ventricular zone of E14.5 mouse medulla. Image taken at 200x magnification. The sections were 4% PFA fixed, paraffin-embedded and cut at 5 microns.



Publications

EI-Salhy M, Umezawa K, Hatlebakk JG, Gilja OH. Abnormal differentiation of stem cells into enteroendocrine cells in rats with DSS-induced colitis *Molecular Medicine Reports* 2017-03-01 [PMID: 28259987] (Immunohistochemistry)

EI-Salhy M, Mazzawi T et al. Enteroendocrine cells, stem cells and differentiation progenitors in rats with TNBS-induced colitis. *Int J Mol Med* 2016-01-12 [PMID: 27779708] (IF/IHC, Rat)

EI-Salhy M, Patcharatrakul T, Hatlebakk JG et al. Enteroendocrine, Musashi 1 and neurogenin 3 cells in the large intestine of Thai and Norwegian patients with irritable bowel syndrome *Scand. J. Gastroenterol.* 2017-08-30 [PMID: 28853300] (IF/IHC, Human)

Nizzardo M, Simone C, Rizzo F et al. Minimally invasive transplantation of iPSC-derived ALDHhiSSCloVLA4+ neural stem cells effectively improves the phenotype of an amyotrophic lateral sclerosis model. *Hum. Mol. Genet.* 2014-01-15 [PMID: 24006477] (ICC/IF, Human)

Kanwar SS, Yu Y, Nautiyal J et al. The Wnt/beta-catenin pathway regulates growth and maintenance of colonospheres. *Mol Cancer.* 2010-08-06 [PMID: 20691072]

Details:
Musashi-1 (IMG-4982A). WB: HT-29, HCT-116, and HCT-116 p53 -/- cell lines, Fig 1B. Note: Musashi-1 was detected at 35 kDa. Regulation of autologous immunity to the mouse 5T4 oncofoetal antigen: implications for immunotherapy. 4APC (IMG-6217G).

Fishbein TM, Novitskiy G, Lough DM et al. Rejection reversibly alters enteroendocrine cell renewal in the transplanted small intestine. *Am J Transplant* 2009-07-01 [PMID: 19519821] (IF/IHC, Human)





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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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