Product Datasheet

FUS Antibody - BSA Free

NBP1-89113

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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Reviews: 1 Publications: 19

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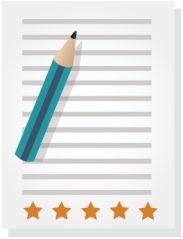
Updated 9/9/2025 v.20.1



NBP1-89113

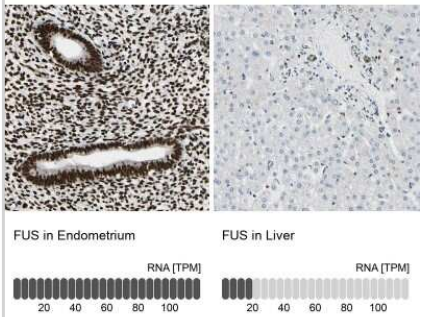
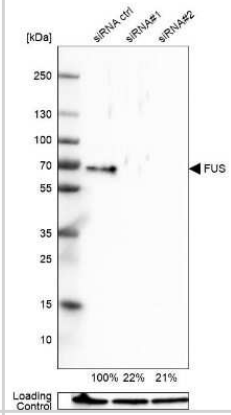
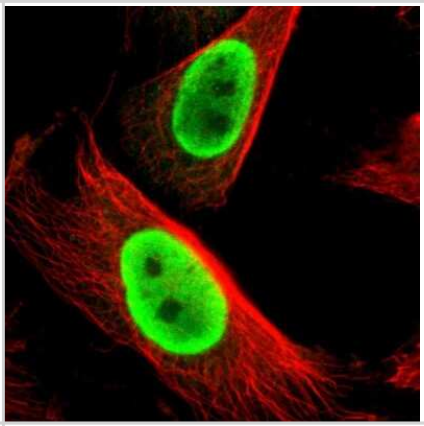
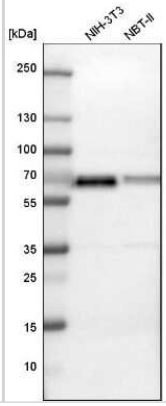
FUS Antibody - BSA Free

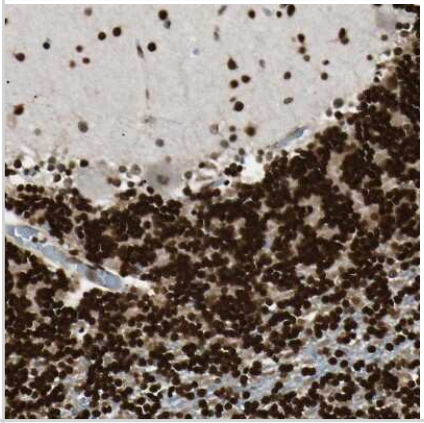
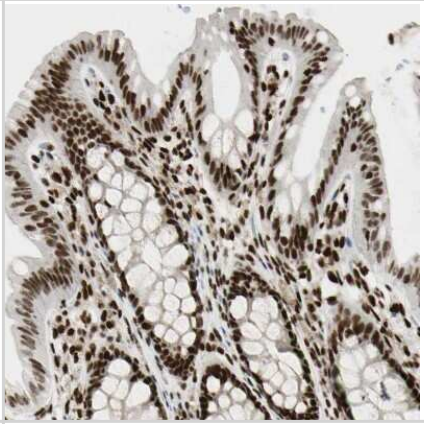
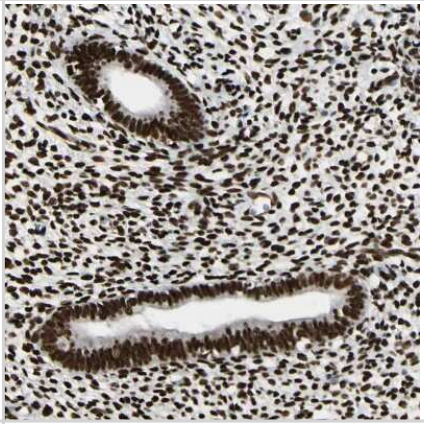
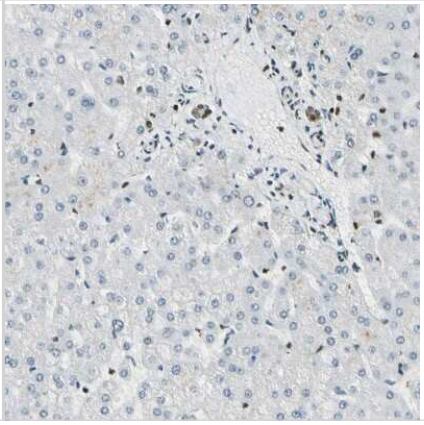
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit FUS Antibody - BSA Free (NBP1-89113) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-FUS Antibody: Cited in 19 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2521
Gene Symbol	FUS
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 19669651)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SSQSSYGQQSSYPGYGQQPAPSSTSGSYGSSSQSSSYGQPQSGSYSQQPS YGGQQQSYGQQQSYNPPQGYGQQNQYNSSSGGGGGGGGGGNYGQDQSS MSSGGGSGGGYGNQDQSGGGGSGGYGQQDR

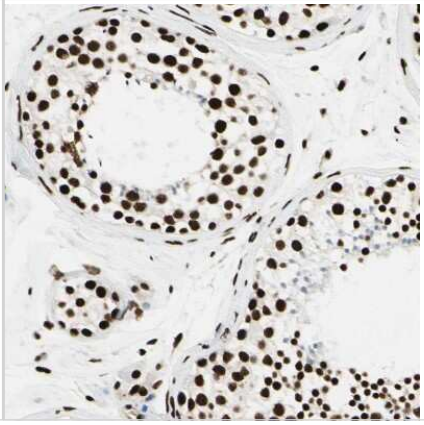
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000-1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization, PFA/Triton X-100. FUS antibody validated for IHC-P from a verified customer review.

Images

Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining in human endometrium and liver tissues . Corresponding FUS RNA-seq data are presented for the same tissues.	
Western Blot: FUS Antibody [NBP1-89113] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using anti-FUS antibody. Remaining relative intensity is presented. Loading control: anti-GAPDH.	
Immunocytochemistry/Immunofluorescence: FUS Antibody [NBP1-89113] - Staining of human cell line U-251 MG shows localization to nucleoplasm. Antibody staining is shown in green.	
Western Blot: FUS Antibody [NBP1-89113] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.	

Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining of human cerebellum shows strong nuclear positivity in neuronal cells.	
Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining of human colon shows strong nuclear positivity in glandular cells.	
Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining of human endometrium shows strong nuclear positivity in glandular cells and stromal cells.	
Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining of human liver shows moderate nuclear positivity in bile duct cells while hepatocytes are negative.	

Immunohistochemistry-Paraffin: FUS Antibody [NBP1-89113] - Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Publications

Ziskin JL, Greicius MD, Zhu W et al. Neuropathologic analysis of Tyr69His TTR variant meningovascular amyloidosis with dementia. Acta Neuropathol Commun 2015-07-10 [PMID: 26156087] (IF/IHC, Human)

Barmada SJ, Ju S, Arjun A et al. Amelioration of toxicity in neuronal models of amyotrophic lateral sclerosis by hUPF1. Proc Natl Acad Sci U S A 2015-06-23 [PMID: 26056265] (IF/IHC, Rat)

Ayaki T, Ito H, Fukushima H et al. Immunoreactivity of valosin-containing protein in sporadic amyotrophic lateral sclerosis and in a case of its novel mutant. Acta Neuropathol Commun 2014-12-10 [PMID: 25492614] (IF/IHC, Human)

Sephton CF, Tang AA, Kulkarni A et al. Activity-dependent FUS dysregulation disrupts synaptic homeostasis. Proc Natl Acad Sci U S A 2014-11-04 [PMID: 25324524] (WB, IF/IHC, Mouse)

Nakamura M, Murray ME, Lin WL et al. Optineurin immunoreactivity in neuronal and glial intranuclear inclusions in adult-onset neuronal intranuclear inclusion disease. Am J Neurodegener Dis 2014-01-01 [PMID: 25232514] (IF/IHC, ICC/IF, Human)

Qiu H, Lee S, Shang Y et al. ALS-associated mutation FUS-R521C causes DNA damage and RNA splicing defects. J Clin Invest 2014-03-01 [PMID: 24509083]

Dobson-Stone C, Luty AA, Thompson EM et al. Frontotemporal dementia-amyotrophic lateral sclerosis syndrome locus on chromosome 16p12.1-q12.2: genetic, clinical and neuropathological analysis. Acta Neuropathol 2013-04-01 [PMID: 23338750]

Dormann D, Madl T, Valori CF et al. Arginine methylation next to the PY-NLS modulates Transportin binding and nuclear import of FUS. EMBO J 2012-11-14 [PMID: 22968170] (ICC/IF, IF/IHC)

Snowden JS, Rollinson S, Thompson JC et al. Distinct clinical and pathological characteristics of frontotemporal dementia associated with C9ORF72 mutations. Brain 2012-03-01 [PMID: 22300873]

Neumann M, Bentmann E, Dormann D et al. FET proteins TAF15 and EWS are selective markers that distinguish FTLD with FUS pathology from amyotrophic lateral sclerosis with FUS mutations. Brain 2011-09-01 [PMID: 21856723]

Lashley T, Rohrer JD, Bandopadhyay R et al. A comparative clinical, pathological, biochemical and genetic study of fused in sarcoma proteinopathies. Brain 2011-09-01 [PMID: 21752791]

Pikkarainen M, Hartikainen P, Soininen H, Alafuzoff I. Distribution and Pattern of Pathology in Subjects with Familial or Sporadic Late-Onset Cerebellar Ataxia as Assessed by p62/Sequestosome Immunohistochemistry. Cerebellum. 2011-05-05 [PMID: 21544590]

More publications at http://www.novusbio.com/NBP1-89113

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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