

Product Datasheet

Jagged 1 Antibody - BSA Free NB600-1161-0.25mg

Unit Size: 0.25 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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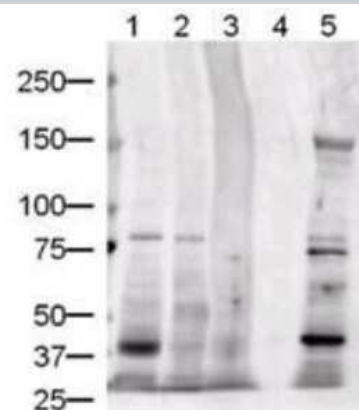
NB600-1161-0.25mg

Jagged 1 Antibody - BSA Free

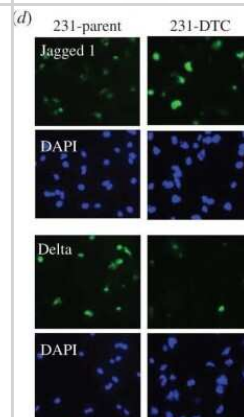
Product Information	
Unit Size	0.25 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This protein A purified antibody is directed against human Jagged 1 protein. The product was purified from mono-specific antiserum by affinity chromatography</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	182
Gene Symbol	JAG1
Species	Human, Mouse
Reactivity Notes	A BLAST analysis was used to suggest cross reactivity with Jagged 1 protein from human, chimpanzee, rat and mouse based on 100% homology with the immunizing sequence. Partial reactivity is expected against dog (81%) and <i>Xenopus laevis</i> (85%) based on partial sequence homologies as indicated. Reactivity against homologues from other sources is not known.
Immunogen	This protein A purified Jagged 1 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids near the N-terminus of human Jagged-1 protein. (Uniprot: P78504)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:20000-1:100000, Immunohistochemistry 1:100-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	This product has been tested for use in ELISA, immunohistochemistry, immunofluorescence microscopy and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 150 kDa in size corresponding to Jagged-1 in mouse liver, human liver and human lung whole cell lysates.

Images

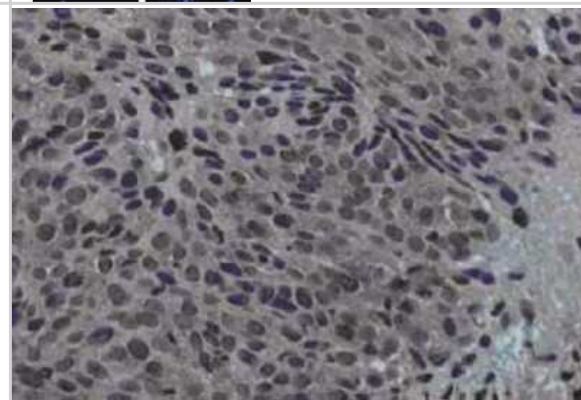
Western Blot: Jagged 1 Antibody [NB600-1161] - Analysis of Jagged-1 protein in various whole cell lysates: human brain (lane 1), human kidney (lane 2), human liver (lane 3), and mouse liver (lane 5). Lane 4 contained sample buffer only. The band at 134 kDa in lane 5 is believed to be Jagged-1 precursor. The identity of minor reactive bands is unknown. Each lane contains approximately 20 ug of lysate. Primary antibody was used at a 1:500 dilution. The membrane was washed and reacted with a 1:5,000 dilution of HRP conjugated Gt-a-Rabbit IgG. Exposure time was 1 min. Predicted molecular weight is 134 kDa.



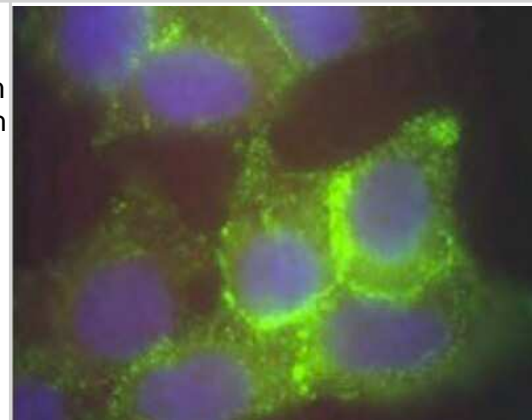
Immunocytochemistry/Immunofluorescence: Jagged 1 Antibody [NB600-1161]



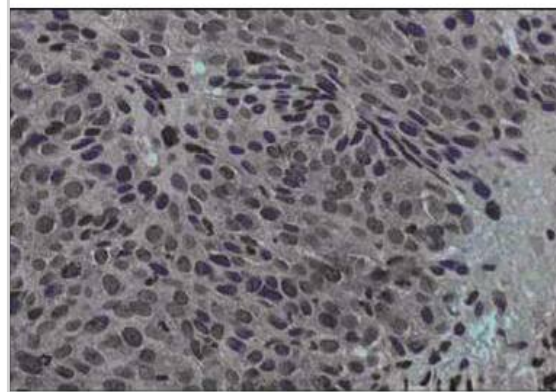
Immunohistochemistry: Jagged 1 Antibody [NB600-1161] - Human cervical cancer tissue (40X magnification) using NB600-1161 Protein A purified anti- Jagged-1 antibody. Tissue was fixed with formalin and embedded in paraffin. Hematoxylin was used to counter-stain cells. A 1:100 dilution of primary antibody was used.



Immunocytochemistry/Immunofluorescence: Jagged 1 Antibody [NB600-1161] - Human corneal epithelial cells. Primary antibody was used at a 1:500 dilution. The Jagged1 (green staining) is localized to the cytoplasm and is consistent with reports in the literature. The nucleus is stained with Bis benzimide (blue).



Immunohistochemical staining of human cervical cancer tissue (40X magnification) using Protein A purified anti-Jagged-1 antibody. Tissue was fixed with formalin and embedded in paraffin. Hematoxylin was used to counter-stain cells. A 1:100 dilution of primary antibody was used. Personal Communication. Martin Kast Laboratory.



Publications

Okamoto M, Matsuda H, Joetham A et al. Jagged1 on Dendritic Cells Notch on CD4+ T Cells Initiate Lung Allergic Responsiveness by Inducing IL-4 Production. *J Immunol.* 2009-01-01 [PMID: 19667086]



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Products Related to NB600-1161-0.25mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90208PEP	Jagged 1 Recombinant Protein Antigen

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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