Datasheet for ABIN2782165

anti-JAG2 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	JAG2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human JAG2
Sequence:	RAQGRGRLPR RLLLLLALWV QAARPMGYFE LQLSALRNVN GELLSGACCD
Predicted Reactivity:	Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against JAG2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	JAG2
Alternative Name:	JAG2 (JAG2 Products)

Target Details

Background:	The Notch signaling pathway is an intercellular signaling mechanism that is essential for proper embryonic development. Members of the Notch protein family are transmembrane receptors that are critical for various cell fate decisions. JAG2 is one of several ligands that activate Notch and related receptors. The Notch signaling pathway is an intercellular signaling mechanism that is essential for proper embryonic development. Members of the Notch gene family encode transmembrane receptors that are critical for various cell fate decisions. The protein encoded by this gene is one of several ligands that activate Notch and related receptors. Two transcript variants encoding different isoforms have been found for this gene. Alias Symbols: HJ2, SER2 Protein Interaction Partner: GFI1B, ATN1, ATXN7, CACNA1A, MIB2, NOTCH3, NOTCH2, NOTCH1, Protein Size: 1238
Molecular Weight:	130 kDa
Gene ID:	3714
NCBI Accession:	NM_002226, NP_002217
UniProt:	Q9Y219
Pathways:	Notch Signaling, Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1238 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

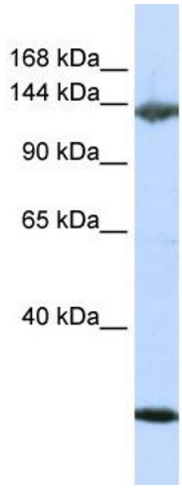
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

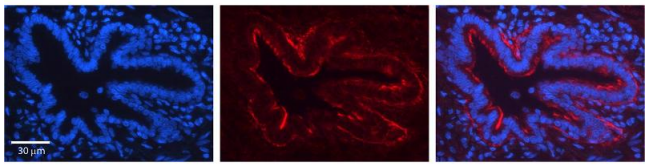
Product cited in:	Derebecka-Holysz, Lehmann, Holysz, Trzeciak: "SMAD3 inhibits SF-1-dependent activation of the CYP17 promoter in H295R cells." in: **Molecular and cellular biochemistry**, Vol. 307, Issue 1-2, pp. 65-71, (2007) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-JAG2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



Immunohistochemistry

Image 2. JAG2 antibody - N-terminal region Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue Observed Staining: Membrane of bronchial epithelial tissue Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec