Datasheet for ABIN7254322

anti-NOTCH4 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	NOTCH4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of human NOTCH4
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	NOTCH4
Alternative Name:	NOTCH4 (NOTCH4 Products)
Background:	This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of

Target Details

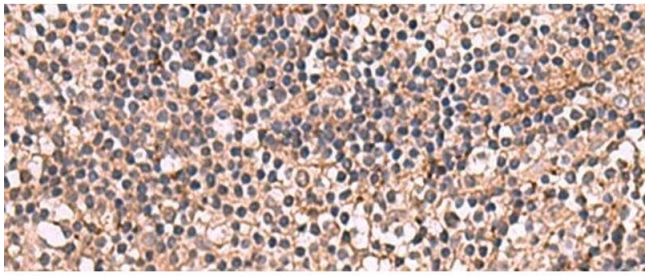
	developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. This gene may be associated with susceptibility to schizophrenia in a small portion of cases. An alternative splice variant has been described but its biological nature has not been determined.
Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 210 kDa
UniProt:	Q99466
Pathways:	Notch Signaling

Application Details

Application Notes:	WB 1:800-1:2000, IHC 1:30-1:150, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

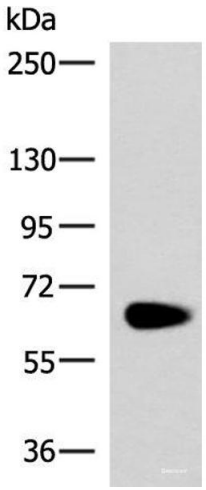
Handling

Format:	Liquid
Concentration:	0.9 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



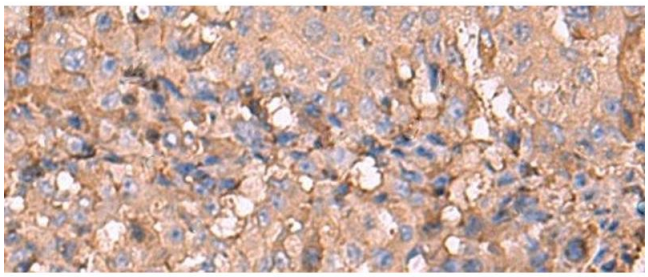
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human tonsil tissue using NOTCH4 Polyclonal Antibody at dilution of 1:30(x200)



Western Blotting

Image 2. Western blot analysis of Human left kidney paracancerous tissue lysate using NOTCH4 Polyclonal Antibody at dilution of 1:800



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using NOTCH4 Polyclonal Antibody at dilution of 1:30(x200)