Datasheet for ABIN390159

anti-NOTCH3 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	NOTCH3
Binding Specificity:	AA 2291-2321, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This NOTCH3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2291-2321 amino acids from the C-terminal region of human NOTCH3.
Clone:	RB02199
Isotype:	Ig Fraction
Predicted Reactivity:	H
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	NOTCH3

Target Details

Alternative Name:	NOTCH3 (NOTCH3 Products)
Background:	NOTCH3 is the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL).
Molecular Weight:	243631
Gene ID:	4854
NCBI Accession:	NP_000426
UniProt:	Q9UM47
Pathways:	Notch Signaling

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

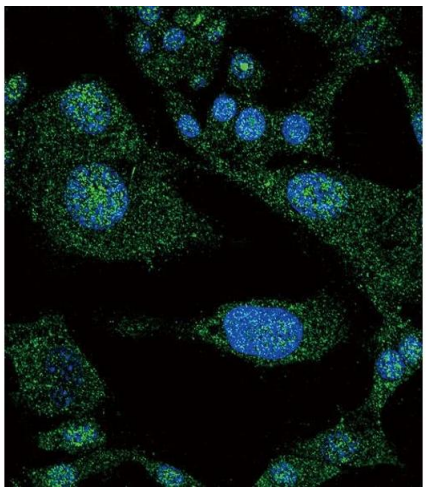
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:

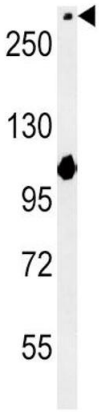
Bannon, Johnson, Michelhaugh, Hartley, Halter, David, Kapatos, Schmidt: "A molecular profile of cocaine abuse includes the differential expression of genes that regulate transcription, chromatin, and dopamine cell phenotype." in: **Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology**, Vol. 39, Issue 9, pp. 2191-9, (2014) (PubMed).

Images



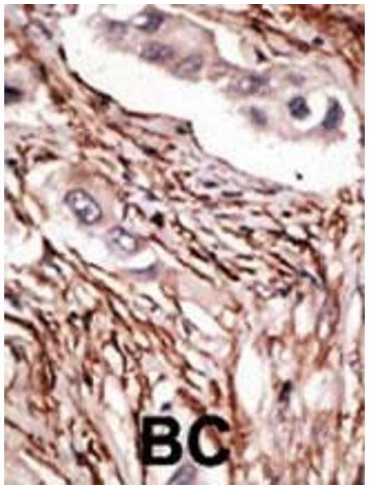
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of NOTCH3 Antibody (C-term) (ABIN390159 and ABIN2840656) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 2. NOTCH3- (ABIN390159 and ABIN2840656) western blot analysis in mouse NIH-3T3 cell line lysates (15 µg/lane).This demonstrates the NOTCH3 antibody detected the NOTCH3 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.