

**Name: Anti-NOTCH3 Rabbit Polyclonal Antibody**  
**Product Data Sheet - ANTIBODY**

**Catalog: TA323658**

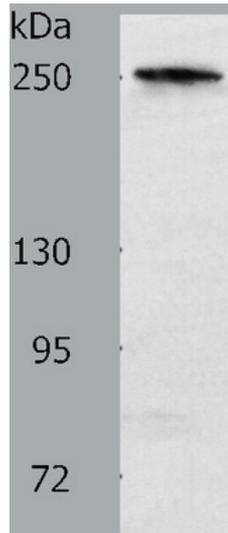
<b>Components:</b>	• Anti-NOTCH3 Rabbit Polyclonal Antibody (TA323658)
<b>Amount:</b>	100ul
<b>Immunogen:</b>	Synthetic peptide corresponding to a region derived from 2307-2321 amino acids of Human notch 3
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Guaranteed Applications:</b>	WB, IHC
<b>Suggested Dilutions:</b>	ELISA: 1:1000-5000, WB: 1:200-1000, IHC: 1:25-100
<b>Concentration:</b>	0.8mg/ml
<b>Buffer:</b>	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
<b>Purification:</b>	Antigen affinity purification
<b>Storage Condition:</b>	Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

## Target

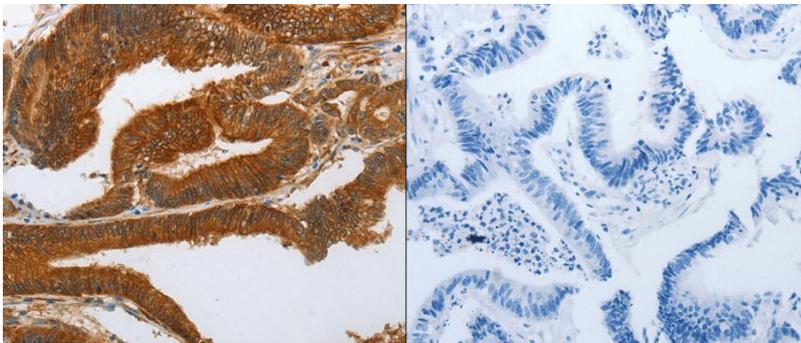
<b>Target Name:</b>	Homo sapiens notch 3 (NOTCH3)
<b>Alternative Name:</b>	CADASIL; CADASIL1; CASIL; IMF2; LMNS
<b>Database Link:</b>	<a href="#">NP_000426</a> <a href="#">Entrez Gene 4854 Human</a> <a href="#">Entrez Gene 18131 Mouse</a> <a href="#">Entrez Gene 56761 Rat</a>
<b>Function:</b>	This gene encodes the third discovered human homologue of the Drosophila melanogaster type I membrane protein notch. In Drosophila; 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).

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

## Validation Data



Predicted band size: 244 kDa . Positive control: Human colon cancer tissue lysate. Recommended dilution: 1/200-1000. (Gel: 8%SDS-PAGE Lysate: 40 ug per lane Primary antibody: 1/400 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm, Cell membrane.  
Positive control: Human colon cancer tissue.  
Recommended dilution: 1/25-100 The image on the left is immunohistochemistry of paraffin-embedded human colon cancer tissue using NOTCH3 antibody at dilution 1/25, on the right is treated with the synthetic peptide. (Original magnification:x200)

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