



Anti-NOTCH3 (aa 47-156) polyclonal antibody (DPAB-DC2045)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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).
Immunogen	NOTCH3 (NP_000426, 47 a.a. ~ 156 a.a) partial recombinant protein with GST tag. The sequence is SPCANGGRCTQLPSREAACLCPPGWVGERCQLEDPCCHSGPCAGRGVCQSSVVAGTARFSC RCPRGFRGPDCSLPDCLSSPCAHGARCSVGPDGRFLCSCPPGYQGRSCR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	NOTCH3 notch 3 [Homo sapiens (human)]
Official Symbol	NOTCH3
Synonyms	NOTCH3; notch 3; IMF2; CASIL; CADASIL; neurogenic locus notch homolog protein 3; Notch homolog 3;
Entrez Gene ID	4854
Protein Refseq	NP_000426
UniProt ID	Q9UM47
Chromosome Location	19p13.2-p13.1
Pathway	Delta-Notch Signaling Pathway; Gene Expression; MicroRNAs in cancer; Notch Signaling Pathway
Function	calcium ion binding; enzyme binding; protein binding;