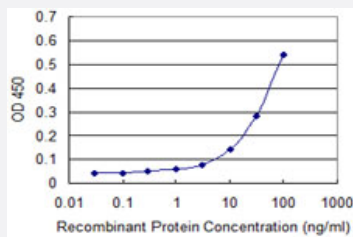


NOTCH3 monoclonal antibody (M03), clone 2H6

Catalog # H00004854-M03

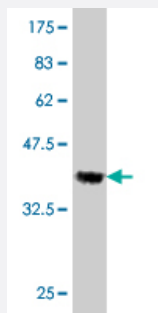
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NOTCH3 is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NOTCH3.
Immunogen	NOTCH3 (NP_000426, 47 a.a. ~ 156 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SPCANGGRCTQLPSREAACLCPPGWVGERCQLEDPC HSGPCAGRGVCQSSVVAGTARFSCR CPRGFRGPDCSLPDCLSSPCAHGARCSVGPDGRFLCSCPPGYQGRSCR
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (86)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NOTCH3 is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NOTCH3

Entrez GeneID	4854
GeneBank Accession#	NM_000435
Protein Accession#	NP_000426
Gene Name	NOTCH3
Gene Alias	CADASIL, CASIL
Gene Description	Notch homolog 3 (Drosophila)
Omim ID	125310 600276
Gene Ontology	Hyperlink

Gene Summary

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). [provided by RefSeq]

Other Designations

Notch homolog 3

Pathway

- [Dorso-ventral axis formation](#)
- [Notch signaling pathway](#)

Disease

- [Brain Infarction](#)
- [Brain Ischemia](#)
- [CADASIL](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chromosome Aberrations](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Dominance](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Ischemic Attack](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Neuropsychological Tests](#)
- [Ovarian Neoplasms](#)
- [Periodontal Diseases](#)
- [Schizophrenia](#)