Datasheet for ABIN562028

anti-NOTCH3 antibody (AA 47-156)

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Overview

Quantity:	100 µg
Target:	NOTCH3
Binding Specificity:	AA 47-156
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NOTCH3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	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:	SPCANGGRCT QLPSREAACL CPPGWVGERC QLEDPCHSGP CAGRGVCQSS VVAGTARFSC RCPRGFRGPD CSLPDPCLSS PCAHGARCSV GPDGRFLCSC PPGYQGRSCR
Clone:	1G5
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	NOTCH3
Alternative Name:	NOTCH3 (NOTCH3 Products)
Background:	Full Gene Name: Notch homolog 3 (Drosophila) Synonyms: CADASIL,CASIL
Gene ID:	4854
NCBI Accession:	NM_000435
Pathways:	Notch Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Meng, Zhang, Lee, Wang: "Von Willebrand factor inhibits mature smooth muscle gene expression through impairment of Notch signaling." in: **PLoS ONE**, Vol. 8, Issue 9, pp. e75808, (2013) (PubMed). Watanabe-Hosomi, Watanabe, Tanaka, Nakagawa, Mizuno: "Transendocytosis is impaired in CADASIL-mutant NOTCH3." in: **Experimental neurology**, Vol. 233, Issue 1, pp. 303-11, (2012) (PubMed). Tada, Itoh, Ishii-Watabe, Suzuki, Kawasaki: "Functional analysis of the Notch ligand Jagged1 missense mutant proteins underlying Alagille syndrome." in: **The FEBS journal**, Vol. 279, Issue 12, pp. 2096-107, (2012) (PubMed).

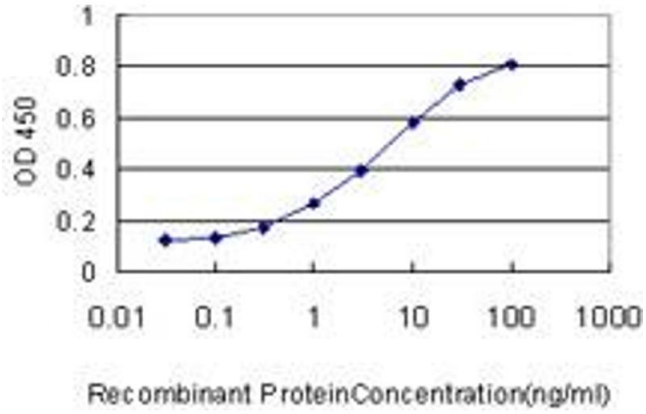
Publications

Dong, Blaivas, Wang: "Bidirectional encroachment of collagen into the tunica media in cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy." in: **Brain research**, Vol. 1456, pp. 64-71, (2012) (PubMed).

Lee, Meng, Elmadhoun, Blaivas, Wang: "Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy affecting an African American man: identification of a novel 15-base pair NOTCH3 duplication." in: **Archives of neurology**, Vol. 68, Issue 12, pp. 1584-6, (2011) (PubMed).

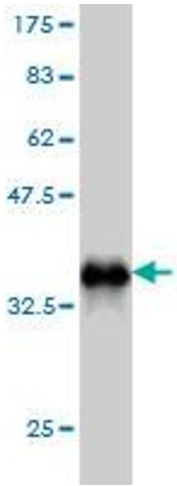
There are more publications referencing this product on: Product page

Images



ELISA

Image 1. Detection limit for recombinant GST tagged NOTCH3 is approximately 0.03ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot detection against Immunogen (37.84 KDa) .