Datasheet for ABIN1531481

anti-ADAM17 antibody (pThr735)

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Overview

Quantity:	100 µL
Target:	ADAM17
Binding Specificity:	AA 701-750, pThr735
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM17 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human ADAM 17 around the phosphorylation site of Thr735.
Isotype:	IgG
Specificity:	ADAM 17 (Phospho-Thr735) Antibody detects endogenous levels of ADAM 17 only when phosphorylated at Thr735. PhosphorylationH:T735 M:T735 R:T735
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

Target:	ADAM17
Alternative Name:	ADAM 17 (ADAM17 Products)
Background:	Synonyms: ADA17, ADAM 17, CD156b antigen, CSVP, TACE, TNF-alpha convertase, TNF-alpha-converting enzyme, a disintegrin and metalloproteinase domain 17, snake venom-like protease NCBI Gene Symbol: ADAM17
Molecular Weight:	93 kDa
Gene ID:	6868
OMIM:	603639
UniProt:	P78536
Pathways:	Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Response to Growth Hormone Stimulus

Application Details

Application Notes:	WB: 1:500~1:1000 ELISA: 1:20000
Comment:	Unigene-Number: Hs.404914 (NCBI Gene Symbol: ADAM17)
Restrictions:	For Research Use only

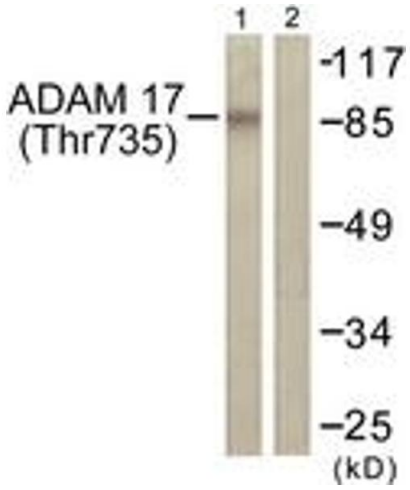
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

Publications

Product cited in:	Bilousova, Taylor, Emirzian, Gylys, Frautschy, Cole, Teng: "Parallel age-associated changes in brain and plasma neuronal pentraxin receptor levels in a transgenic APP/PS1 rat model of Alzheimer's disease." in: **Neurobiology of disease**, Vol. 74, pp. 32-40, (2015) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts from K562 cells treated with UV 5', using ADAM 17 (Phospho-Thr735) Antibody. The lane on the right is treated with the synthesized peptide.