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ADAM11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14066a

Product Information

Application	WB, E
Primary Accession	O75078
Other Accession	NP_002381.2
Reactivity	Human
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34157
Calculated MW	83418
Antigen Region	200-228

Additional Information

Gene ID	4185
Other Names	Disintegrin and metalloproteinase domain-containing protein 11, ADAM 11, Metalloproteinase-like, disintegrin-like, and cysteine-rich protein, MDC, ADAM11, MDC
Target/Specificity	This ADAM11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-228 amino acids from the N-terminal region of human ADAM11.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADAM11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADAM11
Synonyms	MDC

Function	Probable ligand for integrin in the brain. This is a non catalytic metalloprotease-like protein. Required for localization of the potassium channel subunit proteins KCNA1/KV1.1 and KCNA2/KV1.2 at cerebellar cortex basket cell distal terminals, is thereby involved in ephaptic inhibitory synchronization of Purkinje cell firing and response to stress (By similarity). Plays a role in spatial learning and motor coordination (By similarity). Involved in the nociceptive pain response to chemical-derived stimulation (By similarity).
Cellular Location	Presynaptic cell membrane {ECO:0000250|UniProtKB:Q9R1V4}; Single-pass type I membrane protein Perikaryon {ECO:0000250|UniProtKB:Q9R1V4}. Cell projection, axon {ECO:0000250|UniProtKB:Q9R1V4}. Note=Localizes to basket cell terminals and pinceaux. {ECO:0000250|UniProtKB:Q9R1V4}
Tissue Location	Expressed predominantly in brain. Slightly detected or not at all in other tissues

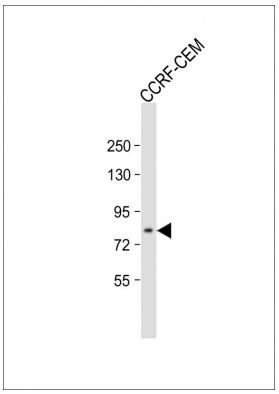
Background

This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene represents a candidate tumor supressor gene for human breast cancer based on its location within a minimal region of chromosome 17q21 previously defined by tumor deletion mapping. [provided by RefSeq].

References

Fu, G.K., et al. Genomics 84(1):205-210(2004)
Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :
Shea, S.H., et al. Behav. Genet. 31(2):231-239(2001)
Sagane, K., et al. Biochem. J. 334 (PT 1), 93-98 (1998) :
Wolfsberg, T.G., et al. J. Cell Biol. 131(2):275-278(1995)

Images



Anti-ADAM11 Antibody (N-term) at 1:500 dilution + CCRF-CEM whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 83 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.