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Datasheet for ABIN881264

anti-ADAM11 antibody (AA 351-450) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	ADAM11
Binding Specificity:	AA 351-450
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM11 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ADAM11
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Sheep
Purification:	Purified by Protein A.

Target Details

Target:	ADAM11
Alternative Name:	ADAM11 (ADAM11 Products)

Target Details

Background:	<p>Synonyms: A disintegrin and metalloproteinase domain 11, ADA11_HUMAN, MDC, Metalloproteinase like, disintegrin like, and cysteine rich protein.</p> <p>Background: ADAM11 was first described as MDC (Metalloproteinase-like disintegrin-like cysteine-rich protein) from analysis of human brain libraries, in search of brain-specific proteins. Two splice variants with different carboxyterminal ends were described. The message was found only in the brain in this publication. Another group identified ADAM11 in the human brain, where ADAM11 was thought to be involved in cell migration and spatial patterning. ADAM11 was mapped to 17q21.3, a region of interest for breast cancer, and mutations in ADAM11 are associated with some breast cancers. Retinoic acid caused a doubling in ADAM11 message levels over 24 hours in NT2/D1 cells, a human embryonic carcinoma cell line. ADAM11 null mutant mice have deficits in spatial learning and motor coordination, although they did have normal cell migration and differentiation during development. ADAM11 is a member of the ADAMs family (A Disintegrin And Metalloproteinase), but does not contain the canonical HExxHxxxxH zinc-binding metalloproteinase catalytic site. The domain structure of the full-length ADAM11 includes a signal sequence, propeptide domain, metalloproteinase-like domain, disintegrin-like domain, cys-rich domain, EGF-like domain, a spacer region, then the transmembrane domain and a short cytoplasmic domain.</p>
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Gene ID:	4185
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Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months