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Datasheet for ABIN185301 anti-ADAM12 antibody (N-Term)

3 Images



Overview

Quantity:	100 µg
Target:	ADAM12
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ADAM12 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	ADAM12
Immunogen:	Peptide with sequence AARPLPVSPARALC, from the N Terminus of the protein sequence
	according to NP_003465.3, NP_067673.2.
Sequence:	AARPLPVSPA RALC
Isotype:	lgG
Specificity:	This antibody is expected to recognise both the longer membrane-bound form of human
	ADAM12 (NP_003465.3) and the shorter soluble ADAM12 splice isoform (NP_067673.2). This
	antibody does not cross-react with other ADAMS.
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

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Product Details

chromatography using the immunizing peptide.

Grade:

Verified

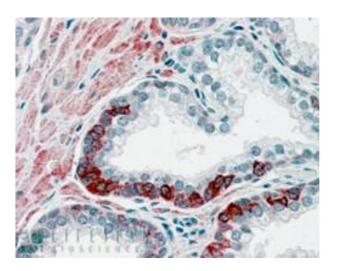
Target Details

Target:	ADAM12
Alternative Name:	ADAM12 (ADAM12 Products)
Background:	ADAM12, MCMP, MLTN, MLTNA, MCMPMltna, a disintegrin and metalloproteinase domain 12 (meltrin alpha), meltrin alpha, A disintegrin and metalloproteinase domain 12 (Meltrin-alpha, mouse, homolog of), ADAM metallopeptidase domain 12, RP11-295J3.5
Gene ID:	8038
NCBI Accession:	NP_003465, NP_067673
Pathways:	EGFR Signaling Pathway
Application Details	
Application Notes:	Immunohistochemistry: In paraffin embedded Human Prostate shows strong cytoplasm staining of a group of secretory epithelial cells. Recommended concentration: 3-5 µg/mL. Paraffin embedded Human Placenta. Recommended concentration: 3.75 µg/mL. Peptide ELISA: antibody detection limit dilution 1:64000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the cytoplasm and plasma membranes of A431 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended co
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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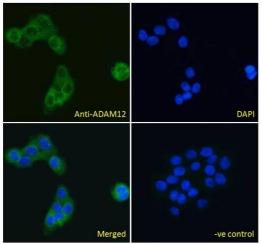
	should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Immunohistochemistry

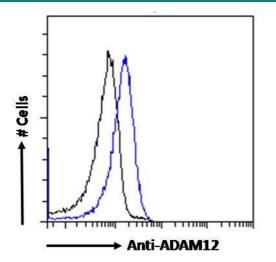
Image 1. ABIN185301 (3.8µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunofluorescence

Image 2. ABIN185301 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Images



Flow Cytometry

Image 3. ABIN185301 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) f

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