

ARG63730 anti-ADAM12 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ADAM12
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
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.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ADAM12
Species	Human
Immunogen	AARPLPVSPARALC
Conjugation	Un-conjugated
Alternate Names	MCMP; ADAM 12; MCMPItna; EC 3.4.24.-; Disintegrin and metalloproteinase domain-containing protein 12; Meltrin-alpha; MLTN; MLTNA; CAR10; ADAM12-OT1

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3 - 5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

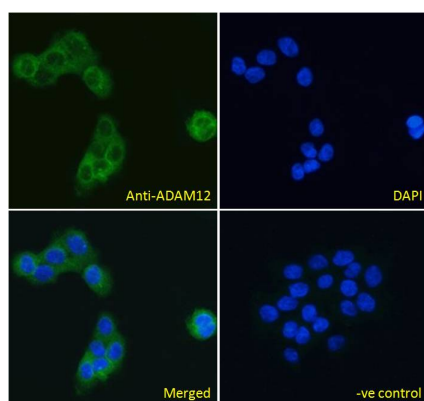
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

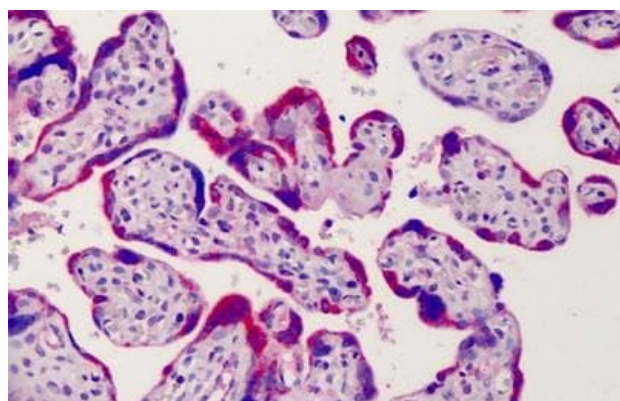
Database links	GeneID: 8038 Human Swiss-port # O43184 Human
Background	This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. This gene has two alternatively spliced transcripts: a shorter secreted form and a longer membrane-bound form. The shorter form is found to stimulate myogenesis. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	100 kDa
PTM	The precursor is cleaved by a furin endopeptidase.

Images



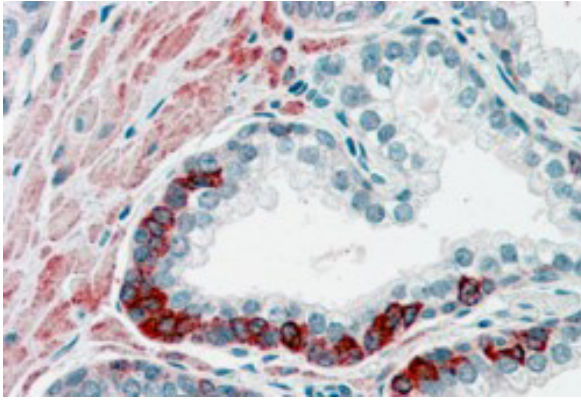
ARG63730 anti-ADAM12 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG63730 anti-ADAM12 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



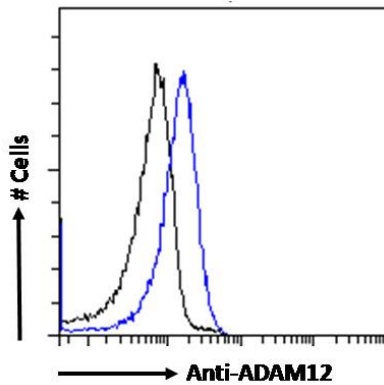
ARG63730 anti-ADAM12 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63730 anti-ADAM12 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG63730 anti-ADAM12 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Prostate. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63730 anti-ADAM12 antibody at 3.8 $\mu\text{g}/\text{ml}$ dilution followed by AP-staining.



ARG63730 anti-ADAM12 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63730 anti-ADAM12 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).