


Product datasheet

Anti-ADAM19 antibody ab217758

[1 Image](#)

Overview

Product name	Anti-ADAM19 antibody
Description	Rabbit polyclonal to ADAM19
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human ADAM19 aa 270-300 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q9H013
Positive control	Human lung carcinoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab217758 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500.

Target

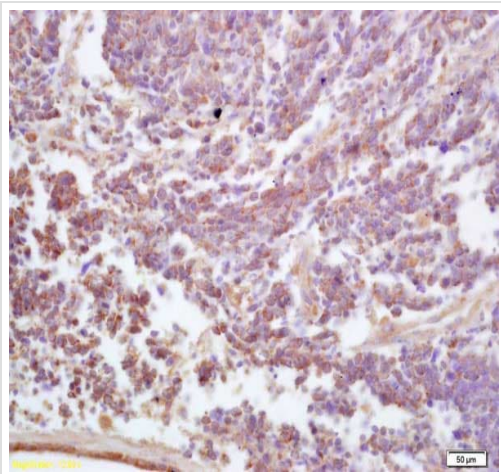
Relevance

ADAM19, is a member of the ADAM (a disintegrin and metalloprotease-like domain) family. It has been cloned from mouse and human. ADAM19 was first described in muscle cells as a protein with homology to the fertilins (ADAMs 1 and 2). Initial observations indicated a role for ADAM19 in myoblast fusion, similar to sperm-egg fusion aided by ADAMs 1 and 2. Later works describe ADAM19 in the bone, muscle, lung, heart, brain, kidney, and a wide range of tissues. The Cytoplasmic domain of ADAM19, like ADAMs 9, 12 and 15, contains SH3 ligand domains, which are thought to interact with PKC-d, suggesting specific regulation routes for ADAM19. Also reported is a sequence of ADAM19 lacking the transmembrane and cytoplasmic domains, suggesting that a soluble form is produced. ADAM-19 contains the canonical HExxHxxxxH zinc metalloproteinase motif, and has been shown to be proteolytically active. Other ADAMs family members (ADAM-10, ADAM-17) have been more thoroughly studied, and are known to play key roles in inflammation, growth factor maturation and release, and a wide range of other functions. The full length ADAM19 sequence codes for a 956 amino acid protein, containing a Type-I transmembrane domain, with a predicted mass is 105 kD. Two shorter sequences have been reported: a 918 amino acid sequence that differs at the carboxyterminal end, and the soluble form, a 538 amino acid version with predicted mass of 59.9 kD. Mouse ADAM19 sequence is 920 AA, predicted at 100.86 kD.

Cellular localization

Cell Membrane. Type I membrane protein.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human lung carcinoma tissue labeling ADAM19 with ab217758 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADAM19 antibody (ab217758)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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