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ADAM18 Rabbit pAb

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Catalog # AP58332

Product Information

Application	WB
Reactivity	Mouse
Predicted	Dog, Human
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ADAM18
Epitope Specificity	301-400/739
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ADAM18 was first described as tMDC III (testis-specific Metalloproteinase-like disintergin-like cysteine-rich protein-III). ADAM18 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 fill-length ADAM18 includes a signal sequence, propeptide domain, metalloproteinase-like domain, disintegrin-like domain, cys-rich domain, EGF-like domain, a short spacer region, then the transmembrane domain and a cytoplasmic domain. Like many of the reproductive-specific ADAMS, ADAM18 plays a nonenzymatic role, or (as is the case for ADAMs 1 & 2 (fertilin alpha and beta)), the protein acts in concert with a proteolytically active ADAM to process proteins. Little is known about interactions between ADAM18 and other ADAMs. To date, 4 different sequences for human ADAM18 are published; 739, 715, 182 and 153 amino acids in length.

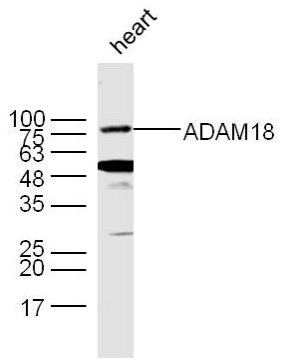
Additional Information

Other Names	Disintegrin and metalloproteinase domain-containing protein 18, ADAM 18, Transmembrane metalloproteinase-like, disintegrin-like, and cysteine-rich protein III, tMDC III, ADAM18, TMDC3
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Images



Sample:
Heart (Mouse) Lysate at 40 ug
Primary: Anti- ADAM18 (AP58332) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kD
Observed band size: 75/50 kD

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