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## ADAM18 Rabbit pAb

Catalog Number: bs-5849R

Target Protein: ADAM18

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Dog)

Predicted MW: 62 kDa

Entrez Gene: 8749

Source: KLH conjugated synthetic peptide derived from human ADAM18: 301-400/739.

Purification: affinity purified by Protein A

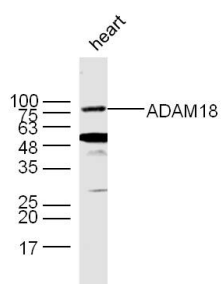
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** ADAM18 was first described as tMDC III (testis-specific Metalloproteinase-like disintegrin-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 full-length ADAM18 includes a signal sequence, propeptide domain, metalloproteinase-like domain, disintegrin-like domain, cysteine-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.

### VALIDATION IMAGES

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Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti- ADAM18 (bs-10196R) 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