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**Research Use Only. Not for diagnostic or therapeutic use.**

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB06536 - Goat Anti-ADAM12 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ADAM metallopeptidase domain 12, RP11-295J3.5, ADAM metallopeptidase domain 12, A disintegrin and metalloproteinase domain 12 (Meltrin-alpha, mouse, homolog of), meltrin alpha, a disintegrin and metalloproteinase domain 12 (meltrin alpha), MCMPLtna, MLTNA, MLTN, MCMP, ADAM12

**Official Symbol:** ADAM12

**Accession Number(s):** NP\_003465.3; NP\_067673.2

**Human GeneID(s):** [8038](#)

**Important Comments:** 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.

### Immunogen

Peptide with sequence AARPLPVSPARALC, from the N Terminus of the protein sequence according to NP\_003465.3; NP\_067673.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

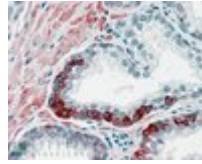
**Western blot:** Approx 90kDa band observed in human heart lysates (calculated MW of 99.6kDa according to NP\_003465 and 80.5kDa according to NP\_067673). Recommended concentration: 0.1-0.3µg/ml.

**IHC:** In paraffin embedded Human Prostate shows strong cytoplasm staining of a group of secretory epithelial cells. Recommended concentration, 3-5µg/ml.

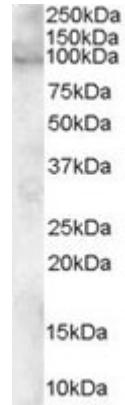
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB06536 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06536 staining (0.1 $\mu$ g/ml) of human heart lysate (RIPA buffer, 30 $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.