
ADAM12 Rabbit pAb

Catalog Number: bs-4977R

Target Protein: ADAM12

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Cow, Chicken, Dog)

Predicted MW: 77/100 kDa

Entrez Gene: 8038

Swiss Prot: O43184

Source: KLH conjugated synthetic peptide derived from human ADAM12/MLTN: 251-350/909.

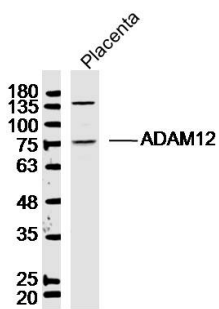
Purification: affinity purified by Protein A

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: ADAM (a disintegrin and metalloprotease) proteins are a family of over 30 membrane-anchored, glycosylated, Zn²⁺ dependent proteases that are involved in cell-cell, cell-matrix interface related processes including fertilization, muscle fusion, secretion of TNF?(tumor necrosis factor ?, and modulation of the neurogenic function of Notch and Delta (1-3). ADAM proteins possess a signal-domain, a pro-domain, a metalloprotease domain, a disintegrin domain (Integrin ligand), a cysteine-rich region, an epidermal growth factor-like domain, a transmembrane domain and a cytoplasmic tail (1-3). ADAMs are expressed in brain, testis, epididymis, ovary, breast, placenta, liver, heart, lung, bone, and muscle, and catalyze proteolysis, adhesion, fusion, and intracellular signaling (3). ADAM 12 (Meltrin-a) is produced as 2 differentially spliced isoforms, a 718 amino acid secreted form (ADAM12S) and a 881 amino acid membrane-bound form (ADAM12L), and is involved in egg-sperm fusion (4-6).

VALIDATION IMAGES



Sample: Placenta (Mouse) Lysate at 40 ug Primary: Anti-ADAM12 (bs-4977R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 77/100 kD Observed band size: 77 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=1.718] Branco DC et al. HIF-1 α , NOTCH1, ADAM12 and HB-EGF are overexpressed in mucoepidermoid carcinoma. (2018) Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology. (18)31198-2 IHC ; Human . 30415904