bs-4977R **[Primary Antibody]**

ADAM12 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8038 **SWISS:** O43184

Target: ADAM12

Immunogen: KLH conjugated synthetic peptide derived from human ADAM12/MLTN: 251-350/909. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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).

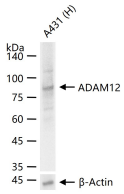
Applications: **WB** (1:500-2000)

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

Predicted MW.: 77/100 kDa

Subcellular Location: Secreted ,Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with ADAM12 polyclonal antibody, unconjugated (bs-4977R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=1.718]** Branco DC et al.HIF-1α, 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