SERP1 polyclonal antibody

Catalog: BS60237 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Newly synthesized proteins emerging through the endoplasmic reticulum (ER) membrane enter a unique environment for folding and assembly by associated proteins. RAMP4 (ribosome-attached membrane protein 4), also designated SERP1 (stress-associated endoplasmic reticulum protein family member 1) and RAMP4-2 (ribosome-associated membrane protein 4-2), also known as SERP2 (stress-associated endoplasmic reticulum protein family member 2), are single-pass type IV membrane proteins that localize to the ER and belong to the RAMP4 family. RAMP4 and RAMP4-2 may interact with target proteins during translocation into the lumen of the ER and protect unfolded target proteins against degradation during ER stress. After termination of ER stress, RAMP4 and RAMP4-2 are involved in facilitating glycosylation of target proteins. RAMP4 consists of 66 amino acids and is encoded by a gene located on human chromosome 3, whereas RAMP4-2 is encoded by a gene located on human chromosome 13 and is composed of 61 amino acids.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 11 kDa

Swiss-Prot:

Q9Y6X1

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

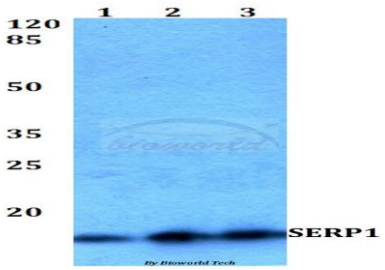
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

SERP1 polyclonal antibody detects endogenous levels of SERP1 protein.

DATA:



Western blot (WB) analysis of SERP1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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