



PRODUCT DATA SHEET

Bioworld Technology, Inc.

HM13 polyclonal antibody

Catalog: BS34724

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Signal peptide peptidase: Catalyzes intramembrane proteolysis of signal peptides that have been removed from precursors of secretory and membrane proteins, resulting in the release of the fragment from the ER membrane into the cytoplasm. Required to generate lymphocyte cell surface (HLA-E) epitopes derived from MHC class I signal peptides. May be necessary for the removal of the signal peptide that remains attached to the hepatitis C virus core protein after the initial proteolytic processing of the polyprotein. Involved in the intramembrane cleavage of the integral membrane protein PSEN1. Cleaves the integral membrane protein XBP1 isoform 1 in a DERL1/RNF139-dependent manner. May play a role in graft rejection (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~41.5 kDa

Swiss-Prot:

Q8TCT9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of HM13 protein

DATA:

Western blot analysis of c-Jun expression in MCF7 (A) whole cell lysates.

Immunohistochemical analysis of c-Jun staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of c-Jun staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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