TMPRSS15 polyclonal antibody

Catalog: BS60752 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Enterokinase, also known as enteropeptidase or serine protease 7, belongs to the peptidase S1 family and localizes to the intestinal brush border in the proximal small intestine. It exists as a heterodimer of a catalytic light chain (LC) and a non-catalytic heavy chain (HC) linked together by a disulfide bond. Enterokinase HC plays a role in macromolecular substrate recognition and specificity. Duodenase is the serine protease responsible for the release and activation of Enterokinase from its inactive precursor. Active Enterokinase recognizes the target sequence, Asp-Asp-Asp-Asp-Lys, and is responsible for catalyzing the conversion of pancreatic trypsinogen to activated trypsin. Activated trypsin then further activates digestive enzymes such as chymotrypsin, carboxypeptidases, elastases and lipases, releasing them from their inactive precursors. Enterokinase is important for proper digestion of proteins. Improper functioning of Enterokinase may result in congenital enteropeptidase deficiency. This recessively inherited disorder leads to severe protein malabsorption and can result in low serum protein, chronic diarrhea and, in infants, a failure to thrive.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 113 kDa

Swiss-Prot:

P98073

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

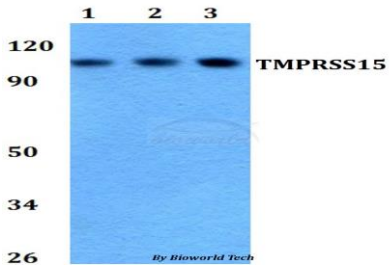
Storage&Stability:

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

Specificity:

TMPRSS15 polyclonal antibody detects endogenous levels of TMPRSS15 protein.

DATA:



Western blot (WB) analysis of TMPRSS15 polyclonal antibody at 1:500 dilution

Lane1:A549 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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