

## SLC15A1 polyclonal antibody

Catalog: BS5847

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

In mammalian small intestine, the proton-coupled peptide transporter (PEPT) is responsible for the absorption of small peptides arising from digestion of dietary proteins. PEPT1, a hydrogen ion/peptide cotransporter, transports dipeptides and tripeptides, but not free amino acids or peptides with more than three amino acid residues. Its driving force for uphill transport requires proton binding and the presence of an inside-negative membrane potential. PEPT1 is 708 amino acid protein that contains 12 putative membrane-spanning domains. PEPT1 is expressed in Caco-2 cells. PEPT1 seems to play important roles in nutritional and pharmacological therapies. The mammalian kidney expresses a proton-coupled peptide transporter, PEPT2, that is responsible for the absorption of small peptides, as well as beta-lactam antibiotics and other peptide-like drugs, from the tubular filtrate.

### Product:

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

### Molecular Weight:

~ 78 kDa

### Swiss-Prot:

P46059

### 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

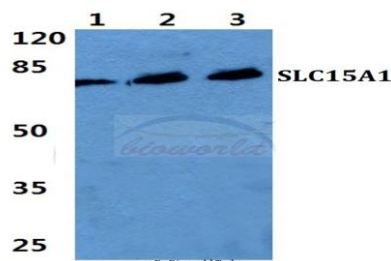
### Storage&Stability:

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

### Specificity:

SLC15A1 polyclonal antibody detects endogenous levels of SLC15A1 protein.

### DATA:



Western blot (WB) analysis of SLC15A1 polyclonal antibody at 1:500 dilution

Lane1: Jurkat cell lysate

Lane2: sp2/0 cell lysate

Lane3: PC12 cell lysate

### Note:

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

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