## bs-0689R

## [ Primary Antibody ]

# BIOSS ANTIBODIES

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## PEPT1 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 6564 **SWISS:** P46059

Target: PEPT1

**Immunogen:** KLH conjugated synthetic peptide derived from human PEPT1:

101-200/714(chk). < Cytoplasmic >

**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:** PEPT1(Oligopeptide transporter, small intestine isoform (Peptide

transporter 1) (Intestinal H(+)/peptide cotransporter) (Solute carrier family 15 member 1) Proton-coupled intake of oligopeptides of 2 to 4 amino acids with a preference for dipeptides. May constitute a major route for the absorption of protein digestion end-products. Subcellular Location: membrane; Multi-pass membrane protein. Tissue Specificity Intestine, kidney, liver and low in brain. Belongs to the PTR2/POT transporter (TC

2.A.17) family.

Applications: WB (1:500-1000)

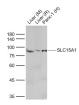
IHC-P (1:50-200) IHC-F (1:400-800) IF (1:100-500)

Reactivity: Human, Mouse, Rat

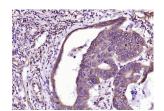
Predicted MW.: <sup>79 kDa</sup>

Subcellular Location: Cell membrane

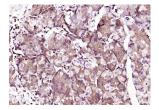
#### VALIDATION IMAGES



Sample: Lane 1: Liver (Mouse) Lysate at 40 ug Lane 2: Liver (Rat) Lysate at 40 ug Lane 3: Panc-1 (Human) Cell Lysate at 30 ug Primary: Anti-SLC15A1 (bs-0689R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 83 kD



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PEPT1 Polyclonal Antibody, Unconjugated (bs-0689R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PEPT1 Polyclonal Antibody, Unconjugated (bs-0689R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

### — SELECTED CITATIONS —

- [IF=10.317] Yaxian Zheng. et al. Tailored elasticity combined with biomimetic surface promotes nanoparticle transcytosis to overcome mucosal epithelial barrier. Biomaterials. 2020 Dec;262:120323 IF; Human. 32896816
- [IF=7.514] Yi Wu. et al. Selective transportation and energy homeostasis regulation of dietary advanced glycation endproducts in human intestinal Caco-2 cells. FOOD CHEM. 2022 Oct;391:133284 FCM; Human. 35640343
- [IF=6.383] Yang Wen. et al. Different copper sources and levels affect growth performance, copper content, carcass characteristics, intestinal microorganism and metabolism of finishing pigs. Anim Nutr. 2021 Nov;: WB; Pig. 10.1016/j.aninu.2021.10.007
- [IF=3.73] Xu, Qingbiao, et al. "Establishment and Characterization of an Omasal Epithelial Cell Model Derived from

minolevulinic acid. Cancer Med. 2019 Aug 5. WB; Human. 31385432					