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# Immunotag™ PEPT1 Polyclonal Antibody

## Antibody Specification

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| Catalog No. | ITT3662 |
| Product Description | Immunotag™ PEPT1 Polyclonal Antibody |
| Size | 50 µg, 100 µg |
| Conjugation | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647 |
| IMPORTANT NOTE | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return. |
| Target Protein | PEPT1 |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,ELISA |
| Recommended Dilution | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | Synthesized peptide derived from PEPT1, at AA range: 200-280 |
| Specificity | PEPT1 Polyclonal Antibody detects endogenous levels of PEPT1 protein. |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |
| Form | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Gene Name | SLC15A1 |
| Accession No. | P46059 Q9JIP7 P51574 |
| Alternate Names | SLC15A1; PEPT1; Solute carrier family 15 member 1; Intestinal H(+)/peptide cotransporter; Oligopeptide transporter; small intestine isoform; Peptide transporter 1 |

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| Description | solute carrier family 15 member 1(SLC15A1) Homo sapiens This gene encodes an intestinal hydrogen peptide cotransporter that is a member of the solute carrier family 15. The encoded protein is localized to the brush border membrane of the intestinal epithelium and mediates the uptake of di- and tripeptides from the lumen into the enterocytes. This protein plays an important role in the uptake and digestion of dietary proteins. This protein also facilitates the absorption of numerous peptidomimetic drugs. [provided by RefSeq, Apr 2010], |
| Protein Expression | Intestine,PCR rescued clones, |
| Subcellular Localization | plasma membrane,integral component of plasma membrane,brush border,membrane,integral component of membrane, |
| Protein Function | function: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.,similarity:Belongs to the PTR2/POT transporter (TC 2.A.17) family., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |