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Datasheet for ABIN671961

anti-SLC15A1 antibody (AA 101-200)

2 Images



Publication



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Quantity:	100 μL	
Target:	SLC15A1	
Binding Specificity:	AA 101-200	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SLC15A1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from chicken PEPT1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	SLC15A1
Alternative Name:	PEPT1 (SLC15A1 Products)

Target Details	
Background:	Synonyms: Oligopeptide transporter, small intestine isoform, Peptide transporter 1, Intestinal
	H+/peptide cotransporter, Solute carrier family 15 member 1SLC15A1, +peptide cotransporter,
	HPECT1, HPEPT1, Human peptide transporter HPEPT1 mRNA complete cds, Intestinal H,
	Oligopeptide transporter small intestine isoform, PEPT1, Peptide transporter 1, Solute carrier
	family 15 oligopeptide transporter member 1.
	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.
Gene ID:	378789
UniProt:	Q90WH8
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
Restrictions:	For Research Use only

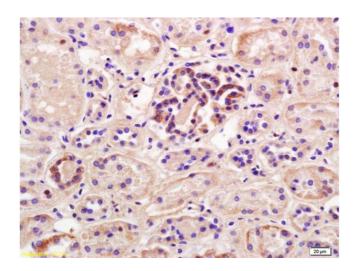
Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	

Product cited in:

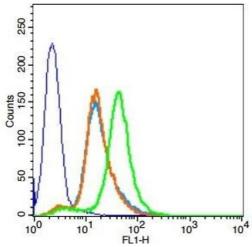
Xu, Wu, Liu, Xie, Huang, Liu: "Establishment and characterization of an omasal epithelial cell model derived from dairy calves for the study of small peptide absorption." in: **PLoS ONE**, Vol. 9, Issue 3, pp. e88993, (2014) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human kidney labeled with Rabbit Anti PEPT1 Polyclonal Antibody, Unconjugated (ABIN671961) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Flow Cytometry

Image 2. HCCLM3 cells probed with Rabbit Anti-PEPT1 Polyclonal Antibody, Unconjugated at 1:100 for 30 minutes followed by incubation with a conjugated secondary -FITC) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).