Anti-S22A4 antibody

Description	Unconjugated Rabbit polyclonal to S22A4

Model	STJ191119
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human S22A4 protein.
Immunogen Region	240-320aa
Gene ID	6583
Gene Symbol	SLC22A4
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	S22A4 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed. Highly expressed in whole blood, bone marrow, trachea and fetal liver. Weakly expressed in kidney, skeletal muscle, prostate, lung, pancreas, placenta, heart, uterus, spleen and spinal cord. Highly expressed in intestinal cell types affected by Crohn disease, including epithelial cells. Expressed in CD68 macrophage and CD43 T-cells but not in CD20 B-cells. Predominantly expressed in CD14 cells in peripheral blood mononuclear cells.
Purification	S22A4 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Solute carrier family 22 member 4 Ergothioneine transporter ET transporter

	Organic cation/carnitine transporter 1
Molecular Weight	60 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10968OMIM:180300
Alternative Names	Solute carrier family 22 member 4 Ergothioneine transporter ET transporter Organic cation/carnitine transporter 1
Function	Sodium-ion dependent, low affinity carnitine transporter. Probably transports one sodium ion with one molecule of carnitine. Also transports organic cations such as tetraethylammonium (TEA) without the involvement of sodium. Relative uptake activity ratio of carnitine to TEA is 1.78. A key substrate of this transporter seems to be ergothioneine (ET).
Cellular Localization	Membrane. Multi-pass membrane protein.