

SLC17A1 Conjugated Antibody

Catalog No: #C40216

Package Size: #C40216-AF350 100ul #C40216-AF405 100ul #C40216-AF488 100ul

#C40216-AF555 100ul #C40216-AF594 100ul #C40216-AF647 100ul

#C40216-AF680 100ul #C40216-AF750 100ul #C40216-Biotin 100ul

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Description

Product Name	SLC17A1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SLC17A1 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human solute carrier family 17 (organic anion transporter), member 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NPT1; NPT-1; NAPI-1
Accession No.	Swiss-Prot#:Q14916NCBI Gene ID:6568NCBI mRNA#:NCBI Protein#:NP_005065
Uniprot	Q14916
GeneID	6568;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	51
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Background

NPT1, also called sodium-dependent phosphate transport protein, belongs to the organic anion transporter family, SLC17A. It is mainly expressed in the kidney transporting small organic anions such as PAH (para-aminohippurate), but it is also found in the liver and brain. NTP1 localizes to the apical membrane of renal proximal tubular cells and functions as a voltage driven organic anion/Cl-exchanger. It also plays a role in maintaining phosphate homeostasis. The expression of NPT1 is transcriptionally regulated by HNF-1 α and HNF-3. Indomethacin and salicylate inhibit NPT1-mediated PAH transport.

Note: This product is for in vitro research use only