



Anti-SLC46A1 (aa 233-247) polyclonal antibody (DPABH-08440)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Has been shown to act both as an intestinal proton-coupled high-affinity folate transporter and as an intestinal heme transporter which mediates heme uptake from the gut lumen into duodenal epithelial cells. The iron is then released from heme and may be transported into the bloodstream. Dietary heme iron is an important nutritional source of iron. Shows a higher affinity for folate than heme.
Immunogen	Synthetic peptide: LKEPKSTRLFTFRH with a Cysteine residue linker, corresponding to internal sequence amino acids 233-247 of Human HCP1 (NP_542400.2).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	200 µl
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SLC46A1 solute carrier family 46 (folate transporter), member 2 [Homo sapiens]
Official Symbol	SLC46A1
Synonyms	SLC46A1; solute carrier family 46 (folate transporter), member 1; G21; HCP1; PCFT; proton-coupled folate transporter; heme carrier protein 1;
Entrez Gene ID	113235
Protein Refseq	NP_001229295.1
UniProt ID	A0A024QZ44
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective CD320 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cbIF
Function	folic acid binding; folic acid transporter activity; heme transporter activity; methotrexate transporter activity