

For Research Use Only

SLC45A2 Polyclonal antibody

Catalog Number: 10453-1-AP **2 Publications**



Basic Information

Catalog Number: 10453-1-AP	GenBank Accession Number: BC003597	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51151	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9UMX9	
Isotype: IgG	Full Name: solute carrier family 45, member 2	
Immunogen Catalog Number: AG0699	Calculated MW: 58 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC: mouse colon tissue, human malignant melanoma tissue
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

SLC45A2, also named as AIM1 and MATP, belongs to the glycoside-pentoside-hexuronide (GPH) cation symporter transporter (TC 2.A.2) family. It is a melanocyte differentiation antigen. SLC45A2 may transport substances required for melanin biosynthesis. (PMID:17768386,21677667) Mutation of SLC45A2 cause oculocutaneous albinism type 4 (OCA4) which is disorder of pigmentation characterized by reduced biosynthesis of melanin in the skin, hair and eyes.

Notable Publications

Author	Pubmed ID	Journal	Application
Sitong Zhou	34722301	Front Oncol	IHC
Cullinane Andrew R AR	21677667	J Invest Dermatol	WB,IF

Storage

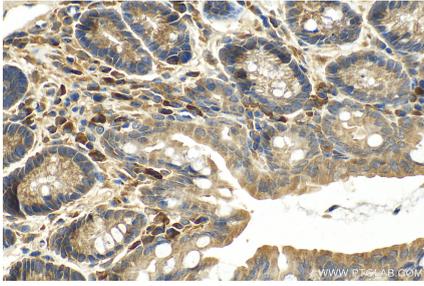
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

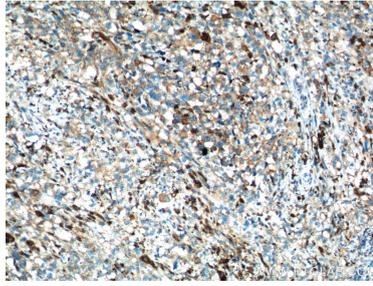
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

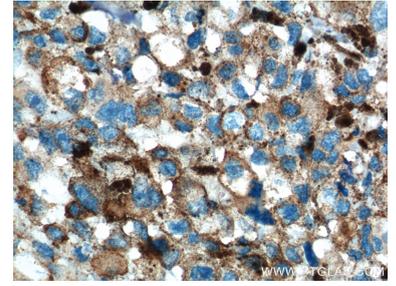
Selected Validation Data



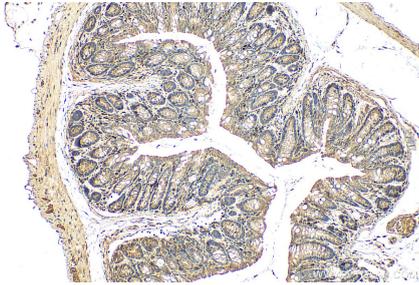
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10453-1-AP (SLC45A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 10453-1-AP (SLC45A2 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 10453-1-AP (SLC45A2 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10453-1-AP (SLC45A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).