

For Research Use Only

SLC45A2 Polyclonal antibody

Catalog Number: 10453-1-AP

2 Publications



Basic Information

Catalog Number:

10453-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0699

GenBank Accession Number:

BC003597

GeneID (NCBI):

51151

UNIPROT ID:

Q9UMX9

Full Name:

solute carrier family 45, member 2

Calculated MW:

58 kDa

Observed MW:

50-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC, ELISA

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

Positive Controls:

IHC : mouse colon tissue, human malignant melanoma tissue

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

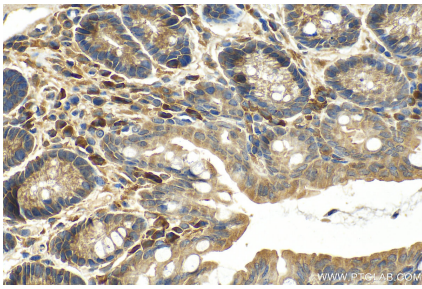
For technical support and original validation data for this product please contact:

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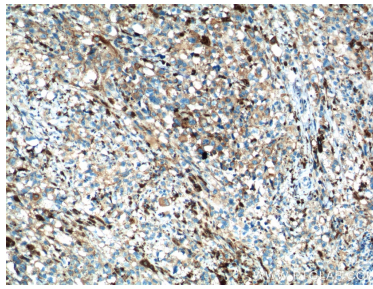
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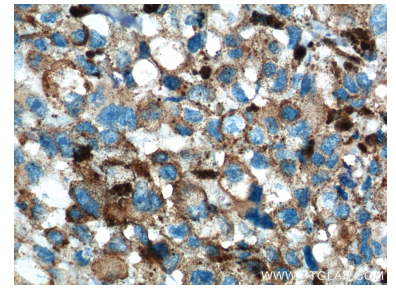
Selected Validation Data



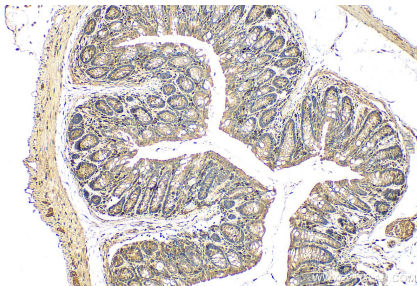
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10453-1-AP (SLC45A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).