

For Research Use Only

SLC25A3 Polyclonal antibody

Catalog Number: 10420-1-AP

Featured Product



Basic Information

Catalog Number: 10420-1-AP	GenBank Accession Number: BC003504	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 5250	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	Full Name: solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	
Isotype: IgG	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG0667	Observed MW: 40-43 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, rat

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:

WB : HEK-293 cells, HepG2 cells, HeLa cells, MOLT-4 cells, PC-12 cells

IHC : human lung cancer tissue,

Background Information

The mitochondrial phosphate carrier SLC25A3 belongs to the SLC25 family, which is the largest family of solute carriers. SLC25A3 encodes the phosphate carrier PiC that catalyses the import of phosphate into mitochondria where it is needed for ATP synthesis. SLC25A3 has two isoforms SLC25A3-A (a heart-type isoform) and SLC25A3-B (a liver-type isoform) as a result of alternative splicing of exon 3. It has been reported that SLC25A3 mutations are associated with mitochondrial phosphate carrier deficiency, respiratory distress and hypertrophic cardiomyopathy. (PMID: 15984930, 27780865, 20877624)

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

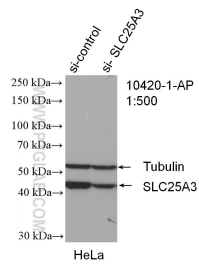
For technical support and original validation data for this product please contact:

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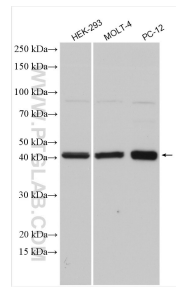
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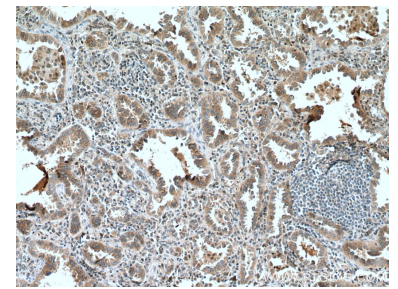
Selected Validation Data



WB result of SLC25A3 antibody (10420-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-SLC25A3 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 10420-1-AP (SLC25A3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10420-1-AP (SLC25A3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).