

For Research Use Only

OAT1 Polyclonal antibody

Catalog Number: 26574-1-AP

21 Publications



Basic Information

Catalog Number: 26574-1-AP	GenBank Accession Number: BC033682	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 850 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9356	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q4U2R8	
Isotype: IgG	Full Name: solute carrier family 22 (organic anion transporter), member 6	
Immunogen Catalog Number: AG24234	Calculated MW: 62 kDa	
	Observed MW: 60-65 and 70-80 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : mouse brain tissue,
Species Specificity: human, mouse	IHC : mouse brain tissue,
Cited Species: human, mouse, rat	

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

OAT1, also named as SLC22A6, has two GXXXG motifs in its transmembrane which is associated with protein processing and oligomerization of other proteins. OAT1 is involved in the renal elimination of endogenous and exogenous organic anions. It has been reported that OAT1 plays a key role in clearing endogenous metabolites, toxins and drugs from blood. OAT1 has some isoforms and the calculated MW ranges from 55 kDa to 62 kDa. 26574-1-AP antibody detects the 60-65 kDa (native forms) and 70-80 kDa (mature forms) protein in SDS-PAGE. (PMID: 21340049, 23389457, 23196129)

Notable Publications

Author	Pubmed ID	Journal	Application
Tianshu Gao	36120294	Front Pharmacol	WB
Kuniko Hunter	36274231	Tissue Eng Part A	WB
Guoshu Lin	34699754	Eur J Pharmacol	WB

Storage

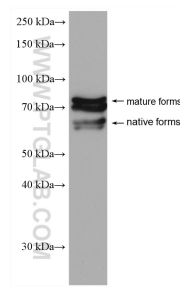
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

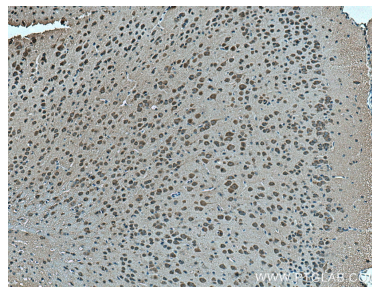
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 26574-1-AP (OAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26574-1-AP (OAT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).