

For Research Use Only

ACMSD Polyclonal antibody

Catalog Number: 26834-1-AP



Basic Information

Catalog Number: 26834-1-AP	GenBank Accession Number: BC016018	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 130013	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8TDX5	
Isotype: IgG	Full Name: aminocarboxymuconate semialdehyde decarboxylase	
Immunogen Catalog Number: AG25230	Calculated MW: 38 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse kidney tissue,
Species Specificity: human, mouse	
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

ACMSD (alpha-amino-beta-carboxy-muconate-semialdehyde decarboxylase) is the key enzyme that regulates the de novo NAD⁺ synthesis from tryptophan. ACMSD is highly expressed in the liver, kidney and to a lower degree in brain under physiological conditions. The enzyme is primarily cytosolic and is positioned at a critical branching point in the kynurenine pathway, wherein it influences the fate of the precursor 2-amino-3-carboxymuconic-6-semialdehyde (ACMS).

Storage

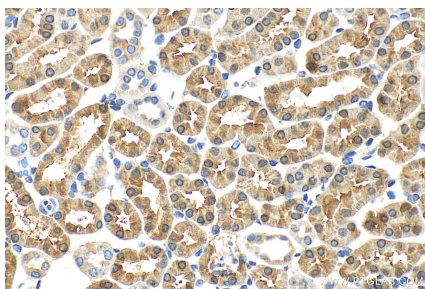
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

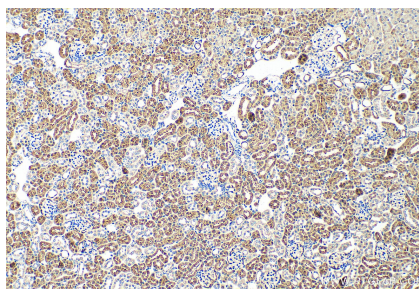
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 26834-1-AP (ACMSD 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 mouse kidney tissue slide using 26834-1-AP (ACMSD antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).