

For Research Use Only

EPDR1 Polyclonal antibody

Catalog Number: 27252-1-AP

2 Publications



Basic Information

Catalog Number: 27252-1-AP	GenBank Accession Number: BC018299	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 54749	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9UM22	
Isotype: IgG	Full Name: Mammalian ependymin-related protein 1	
Immunogen Catalog Number: AG26120	Calculated MW: 25 kDa	
	Observed MW: 25-30 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : A549 cells, HeLa cells, Jurkat cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC : human stomach tissue,
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

The ependymin-related 1 (EPDR1) gene, also known as MERP1 and UCC1, encodes for a protein related to ependymins, which are type II transmembrane proteins that are similar to two families of cell adhesion molecules: the protocadherins and ependymins. Ependymin-related protein 1 (EPDR1) was recently identified as a secreted human batokine regulating mitochondrial respiration linked to thermogenesis in brown fat. Proteomics studies of mammalian mannose-6-phosphate (M6P) glycoproteins have identified EPDR1 as a lysosomal protein with unknown function. The lysosomal localization of EPDR1 was further demonstrated in mouse brain homogenates by subcellular fractionation.(PMID: 36343918, PMID: 33902536, PMID: 30729188)

Notable Publications

Author	Pubmed ID	Journal	Application
Xiuqing Liang	33165408	Int J Clin Exp Pathol	WB
Wenyang Li	39104482	Heliyon	WB

Storage

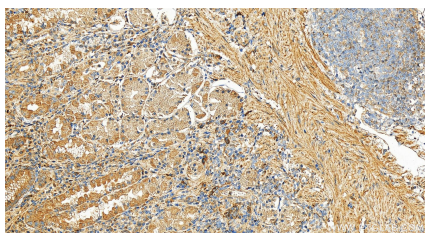
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

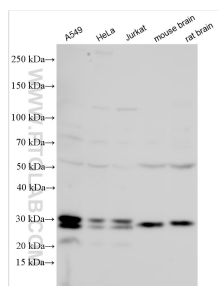
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 27252-1-AP (EPDR1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 27252-1-AP (EPDR1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.