

PORCN Polyclonal antibody

Catalog Number: 20613-1-AP

Basic Information

Catalog Number: 20613-1-AP	GenBank Accession Number: BC019080	Purification Method: Antigen affinity purification
Concentration: 600 ug/ml	GeneID (NCBI): 64840	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H237	
Isotype: IgG	Full Name: porcupine homolog (Drosophila)	
Immunogen Catalog Number: AG14664	Calculated MW: 461 aa, 52 kDa Observed MW: 43-50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HepG2 cells, IHC : mouse brain tissue, rat kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

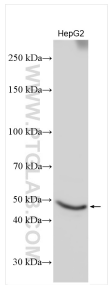
Background Information

PORCN is one of several related membrane-bound O-acyltransferase (MBOAT) enzymes encoding a 461 amino acid-sized (52 kDa) protein named porcupine located in the endoplasmic reticulum and known to be involved in the processing, secretion, and signaling of Wnt proteins (PMID: 17546031). Overexpression of PORCN could promote the proliferation and migration abilities of HCC cells both in vitro and in vivo (PMID: 37588740, 23188502).

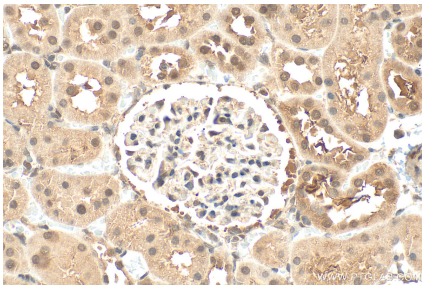
Storage

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

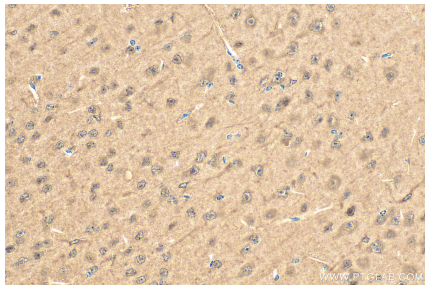
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20613-1-AP (PORCN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 20613-1-AP (PORCN 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 brain tissue slide using 20613-1-AP (PORCN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).