

For Research Use Only

TSKU Polyclonal antibody

Catalog Number: 12370-1-AP



Basic Information

Catalog Number: 12370-1-AP	GenBank Accession Number: BC020975	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 25987	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: tsukushin	
Isotype: IgG	Calculated MW: 353 aa, 38 kDa	
Immunogen Catalog Number: AG3054	Observed MW: 45-50 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

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

Positive Controls:

WB : mouse liver tissue, HepG2 cells, mouse colon tissue, mouse pancreas tissue

IHC : human colon cancer tissue, human breast cancer tissue

Background Information

TSK, also known as Tsukushi, is an atypical member of the small leucine-rich proteoglycan (SLRP) family of extracellular matrix proteins (PMID: 16884925). The human TSK cDNA encodes a 16 amino acid (aa) signal sequence and a 337 aa secreted protein that contains nine LRR, which has a calculated molecular mass of 38kDa and an apparent molecular mass of 40-50kDa cause of the N-glycosylation. In chick embryos, C-TSK is a unique BMP inhibitor that forms a ternary complex with BMP and chordin and is involved in the regulation of primitive streak and node formation. C-TSK migrates as a band of 47 kDa in SDS-PAGE and N-glycosidase F treatment reduces the size to 41 kDa (PMID: 15363410).

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

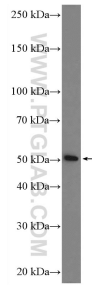
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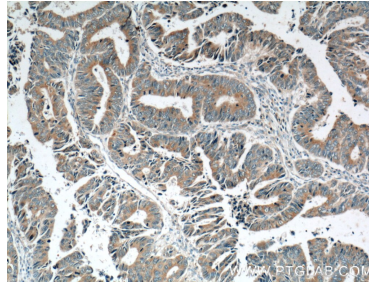
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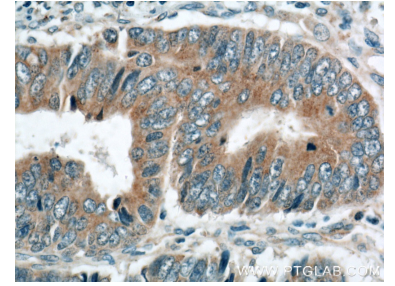
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 12370-1-AP (TSKU Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12370-1-AP (TSKU Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12370-1-AP (TSKU Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).