For Research Use Only

TSKU Polyclonal antibody

Catalog Number:12370-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
12370-1-AP

Size:
150ul , Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3054

GenBank Accession Number:
BC020975

GeneID (NCBI):
25987

UNIPROT ID:
Q8WUA8

Full Name:
tsukushin

Calculated MW:
353 aa, 38 kDa

Observed MW:
45-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:200-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, 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).

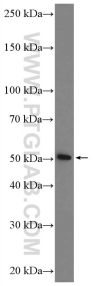
Storage

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

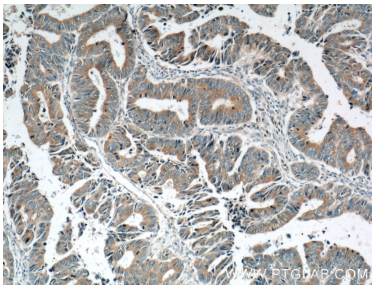
***** 20ul sizes contain 0.1% BSA**

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

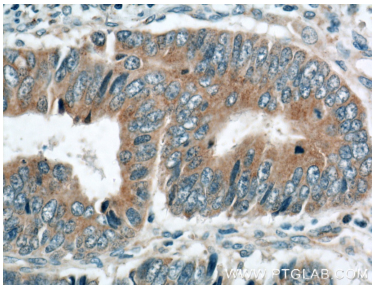
Selected Validation Data



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).