

For Research Use Only

TNS4 Polyclonal antibody

Catalog Number: 11580-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11580-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2169

GenBank Accession Number:

BC018706

GeneID (NCBI):

84951

UNIPROT ID:

Q8IZW8

Full Name:

tensin 4

Calculated MW:

715 aa, 77 kDa

Observed MW:

77 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

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 : HepG2 cells, human placenta tissue, PC-12 cells, NIH/3T3 cells, RAW 264.7 cells

IHC : human liver cancer tissue,

IF/ICC : A549 cells,

Background Information

TNS4 (Tensin-4), also known as COOH-terminus tensin-like protein, is a distinctive member with the smallest molecular mass and lacks the N-terminal common region found in other family members. TNS4 plays a crucial role in CRC tumorigenesis, and that suppression of TNS4 would be an effective therapeutic strategy in treating a subset of cetuximab-refractory CRC patients including KRAS activating mutations (PMID: 31409052). TNS4 has been implicated in numerous vital biological processes, including proliferation, migration, cell adhesion, and apoptosis (PMID: 38164166).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiumin Qi	32534709	Pathol Res Pract	WB
Elizabeth M Boazak	33634081	Front Bioeng Biotechnol	IF
Yan Wang	38881712	Oncol Lett	WB,IHC

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

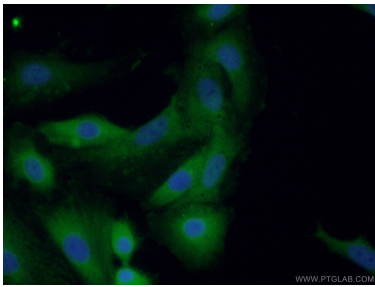
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

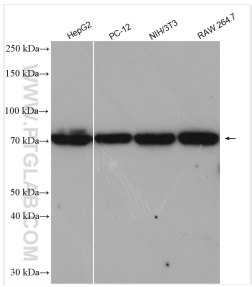
E: proteintech@ptglab.com
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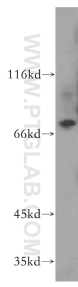
Selected Validation Data



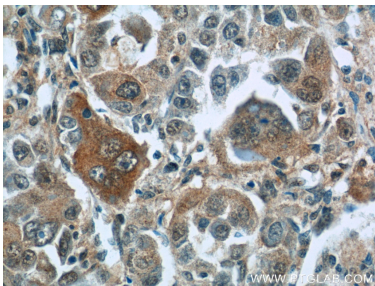
Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 11580-1-AP (TNS4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 11580-1-AP (TNS4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



human placenta tissue were subjected to SDS PAGE followed by western blot with 11580-1-AP (TNS4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11580-1-AP (TNS4 Antibody) at dilution of 1:50 (under 40x lens).