

For Research Use Only

ITIH3 Polyclonal antibody

Catalog Number: 21247-1-AP

4 Publications



Basic Information

Catalog Number:

21247-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15750

GenBank Accession Number:

BC107604

GeneID (NCBI):

3699

UNIPROT ID:

Q06033

Full Name:

inter-alpha (globulin) inhibitor H3

Calculated MW:

890 aa, 100 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : human serum tissue,

IP : human plasma tissue,

IHC : human stomach cancer 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

ITIH3, or inter-alpha-trypsin inhibitor heavy chain 3, is a gene in humans that encodes the heavy chain subunit of the pre-alpha-trypsin inhibitor complex. This complex plays a role in stabilizing the extracellular matrix through its ability to bind hyaluronic acid. The gene is located on chromosome 3 and is part of the inter-alpha-trypsin inhibitor family gene cluster. ITIH3 has restricted expression primarily toward the liver, with an RPKM value of 228.8, indicating a relatively high level of expression in this organ.

Notable Publications

Author	Pubmed ID	Journal	Application
Chang Zhao	31548586	Sci Rep	WB
Xiaohui Liu	29123261	Br J Cancer	IHC
Jing Yu	35743699	J Pers Med	WB

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

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

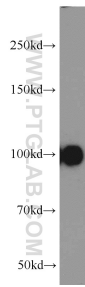
T: 4006900926

E: Proteintech-CN@ptglab.com

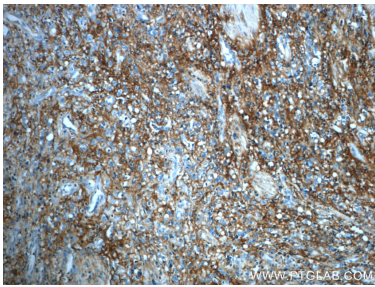
W: ptgcn.com

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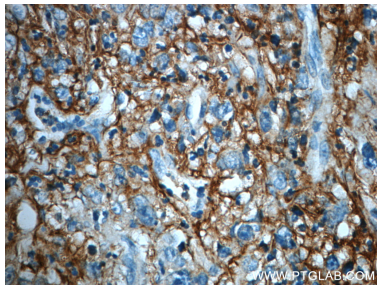
Selected Validation Data



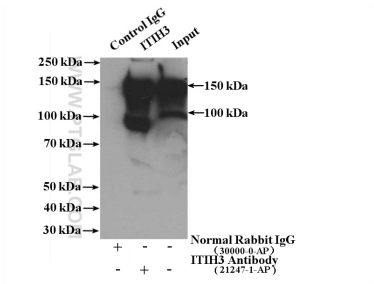
human serum were subjected to SDS PAGE followed by western blot with 21247-1-AP (ITIH3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer slide using 21247-1-AP (ITIH3 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human stomach cancer slide using 21247-1-AP (ITIH3 Antibody) at dilution of 1:50.



IP result of anti-ITIH3 (IP:21247-1-AP, 4ug; Detection:21247-1-AP 1:1000) with human plasma lysate 4000ug.