

For Research Use Only

FER Polyclonal antibody

Catalog Number: 25287-1-AP

2 Publications



Basic Information

Catalog Number:
25287-1-AP

Size:
150ul, Concentration: 800 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18173

GenBank Accession Number:
BC017060

GeneID (NCBI):
2241

Full Name:
fer (fps/fes related) tyrosine kinase

Calculated MW:
822 aa, 95 kDa

Observed MW:
95 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:50-1:500
IF 1:20-1:200

Applications

Tested Applications:
FC, IF, IHC, IP, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human

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: NIH/3T3 cells, A431 cells, HeLa cells, MCF-7 cells

IP: MCF-7 cells,

IHC: human kidney tissue, human colon cancer tissue

IF: MCF-7 cells,

Background Information

FER (Tyrosine-protein kinase Fer) is also named as TYK3 and belongs to the protein kinase superfamily. Tyrosine-protein kinase acts downstream of cell surface receptors for growth factors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, lamellipodia formation, cell adhesion, cell migration and chemotaxis. This protein has 3 isoforms produced by alternative promoter usage and alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Xue Yang	32293333	BMC Cancer	WB
Yanchun Zhang	37196766	J Biol Chem	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

*** 20ul sizes contain 0.1% BSA

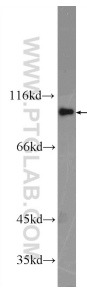
For technical support and original validation data for this product please contact:

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

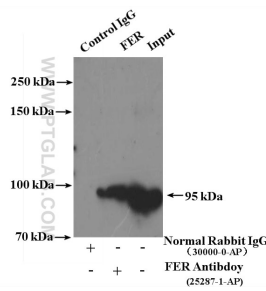
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

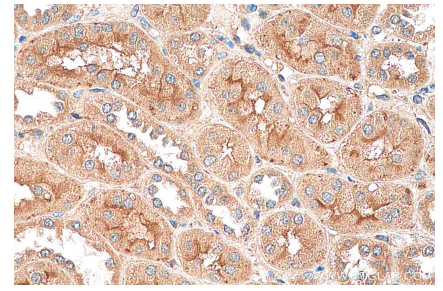
Selected Validation Data



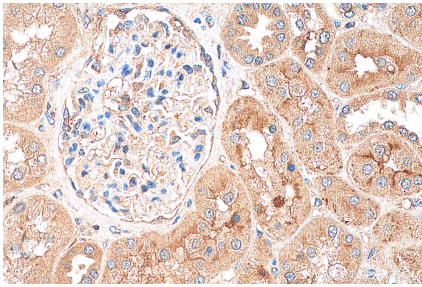
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 25287-1-AP (FER Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



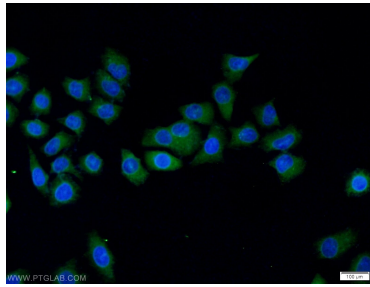
IP Result of anti-FER (IP:25287-1-AP, 4ug; Detection:25287-1-AP 1:1000) with MCF-7 cells lysate 2400ug.



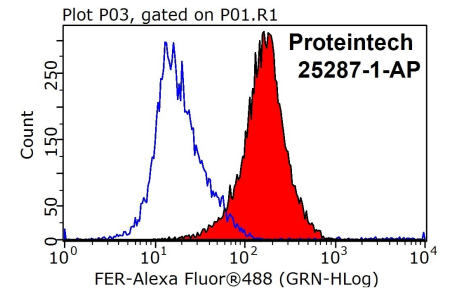
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25287-1-AP (FER antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25287-1-AP (FER antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells using 25287-1-AP (FER antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ Jurkat cells were stained with 0.5ug FER antibody (25287-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.