For Research Use Only

TNFAIP3 Monoclonal antibody

Catalog Number:66695-1-Ig 3 Publications

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Basic Information

Catalog Number:
66695-1-Ig

Size:
1500 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG18150

GenBank Accession Number:
BC114480

GeneID (NCBI):
7128

UNIPROT ID:
P21580

Full Name:
tumor necrosis factor, alpha-induced protein 3

Calculated MW:
790 aa, 90 kDa

Observed MW:
80 kDa

Purification Method:
Protein G purification

CloneNo.:
3A11G6

Recommended Dilutions:
WB 1:1000-1:6000
IHC 1:1000-1:4000
IF 1:50-1:500

Applications

Tested Applications:
FC, IF/ICC, IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
Human, Rat, Mouse

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 : HeLa cells, HSC-T6 cells, HEK-293 cells, HepG2 cells, Jurkat cells

IHC : mouse kidney tissue, human thyroid cancer tissue, rat ovary tissue

IF : HeLa cells,

Background Information

TNFAIP3, also named A20, is a cytoplasmic zinc finger protein that inhibits nuclear factor kappa-B (NFKB) activity and tumor necrosis factor (TNF)-mediated programmed cell death. A20 is a ubiquitin-editing enzyme that contains both ubiquitin ligase and deubiquitinase activities, and involved in immune and inflammatory responses signaled by cytokines, such as TNF-alpha and IL-1 beta, or pathogens via Toll-like receptors (TLRs) through terminating NF-kappa-B activity.

Notable Publications

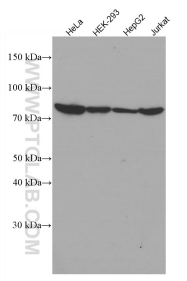
Author	Pubmed ID	Journal	Application
Stamatia Papoutsopoulou	36290283	Biology (Basel)	IHC
Yilu Feng	32015333	Cell Death Dis	WB,IHC,IF
Yinzhao Jia	36996991	Sci Total Environ	IHC,IF

Storage

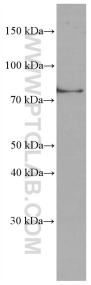
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

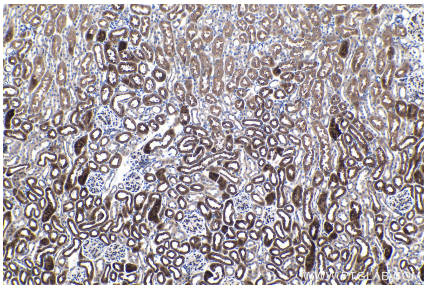
Selected Validation Data



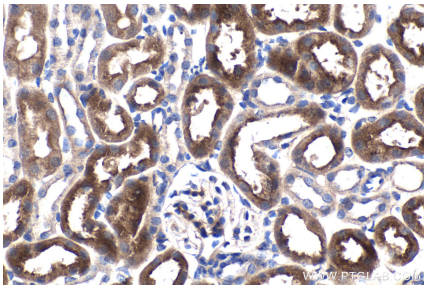
Various lysates were subjected to SDS PAGE followed by western blot with 66695-1-Ig (TNFAIP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



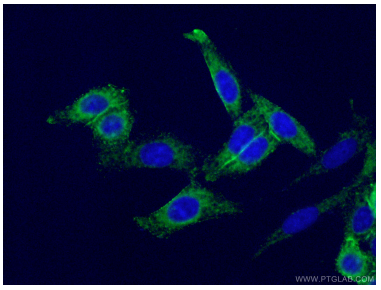
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 66695-1-Ig (TNFAIP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



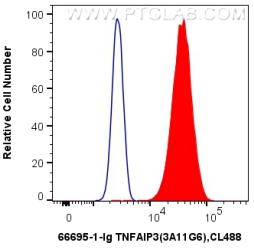
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 66695-1-Ig (TNFAIP3 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 66695-1-Ig (TNFAIP3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66695-1-Ig (TNFAIP3 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 HeLa cells were intracellularly stained with 0.5 ug Anti-Human TNFAIP3 (66695-1-Ig, Clone:3A11G6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).