For Research Use Only

ABCF1 Polyclonal antibody

Catalog Number:13950-1-AP Featured Product 3 Publications

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Basic Information

Catalog Number:
13950-1-AP

Size:
450 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG5061

GenBank Accession Number:
BC034488

GeneID (NCBI):
23

UNIPROT ID:
Q8NE71

Full Name:
ATP-binding cassette, sub-family F (GCN20), member 1

Calculated MW:
92 kDa

Observed MW:
110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF 1:200-1:800

Applications

Tested Applications:
IF/ICC,IF-Fro, IP, WB, ELISA

Cited Applications:
CoIP, IP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : HeLa cells, K-562 cells, HepG2 cells

IP : K-562 cells,

IF : HeLa cells,

Background Information

ABCF1, also known as ABC27, and ABC50, is a member of the superfamily of ATP-binding cassette (ABC) transporters and contains two ABC transporter domains. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). Unlike other members of the superfamily, ABCF1 lacks the transmembrane domains that are characteristic of most ABC transporters. ABCF1 may be regulated by tumor necrosis factor-alpha and play a role in the enhancement of protein synthesis and thus participate in the inflammatory processes(PMID: 9790762).

Notable Publications

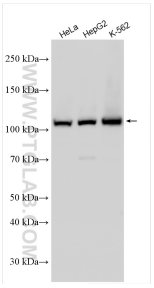
Author	Pubmed ID	Journal	Application
Eun-Bee Choi	34714667	Sci Adv	WB
Hitesh Arora	30770245	Immunity	CoIP
Han Hong	36625413	Proteomics	WB,IP

Storage

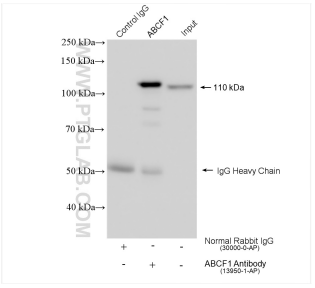
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

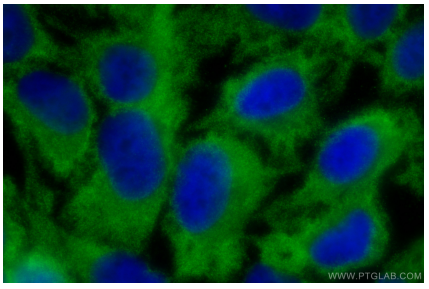
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13950-1-AP (ABCF1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-ABCF1 (IP:13950-1-AP, 4ug; Detection:13950-1-AP 1:6000) with K-562 cells lysate 1360 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ABCF1 antibody (13950-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).