

For Research Use Only

# XAF1 Polyclonal antibody

Catalog Number: 27057-1-AP



## Basic Information

Catalog Number:

27057-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25843

GenBank Accession Number:

BC073156

GeneID (NCBI):

54739

UNIPROT ID:

Q6GPH4

Full Name:

XIAP associated factor 1

Calculated MW:

301 aa, 35 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

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

## Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, IFN alpha treated treated Jurkat cells

IP : Jurkat cells,

## Background Information

XIAP-associated factor 1 (XAF1) is also named as BIRC4BP (BIRC4-binding protein) and XIAPAF1. XAF1 was originally identified as an antagonist of XIAP counteracting its anti-caspase activity by inhibiting the RING domain of XIAP. XAF1 is also concerned with IFN-induced apoptosis (PMID: 35972291). XAF1 plays a key role in the communication between IRF1-mediated early immune responses and IRF3-mediated late IFN-dependent immune responses (PMID: 37595039). XAF1 as a direct interacting protein of AKT1, which strongly binds the N-terminal region of AKT1 to block its K63-linked poly-ubiquitination and subsequent activation (PMID: 37384528). XAF1 may serve as an osteoprotective regulator to restore bone homeostasis (PMID: 38957269).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

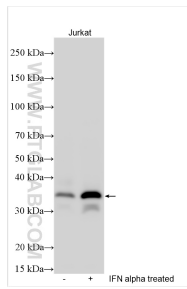
T: 4006900926

E: Proteintech-CN@ptglab.com

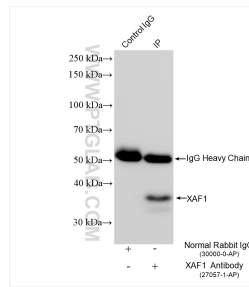
W: ptgcn.com

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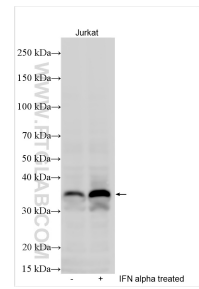
## Selected Validation Data



Untreated and IFN alpha treated Jurkat cells were subjected to SDS PAGE followed by western blot with 27057-1-AP (XAF1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-XAF1 (IP:27057-1-AP, 4 $\mu$ g; Detection:27057-1-AP 1:800) with Jurkat cells lysate 1920  $\mu$ g.



Untreated and IFN alpha treated Jurkat cells were subjected to SDS PAGE followed by western blot with 27057-1-AP (XAF1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.