

For Research Use Only

Centromere protein R Polyclonal antibody



Catalog Number: 10743-1-AP

Featured Product

3 Publications

Basic Information

Catalog Number:

10743-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1204

GenBank Accession Number:

BC009929

GeneID (NCBI):

23421

UNIPROT ID:

Q13352

Full Name:

integrin beta 3 binding protein

(beta3-endonexin)

Calculated MW:

20 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IF 1:50-1:500

Applications

Tested Applications:

WB, IP, IF/ICC, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : K-562 cells,

IP : K-562 cells,

IF : HeLa cells,

Background Information

ITGB3BP, also named as CENPR and NRIF3; is a transcription coregulator that can have both coactivator and corepressor functions. ITGB3BP acts as a coactivator for estrogen receptor alpha. It acts as a transcriptional corepressor via its interaction with the NFKB1 NF-kappa-B subunit, possibly by interfering with the transactivation domain of NFKB1. ITGB3BP induces apoptosis in breast cancer cells, but not in other cancer cells, via a caspase-2 mediated pathway that involves mitochondrial membrane permeabilization but does not require other caspases. ITGB3BP has five isoforms with MW 7 kDa, 13 kDa and 19-25 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Divine Mensah	36069839	J Mol Cell Biol	IF, WB, IP
Tinnikov Alexander A AA	19190336	Cancer Res	WB, IF, IP
Talukder A H AH	18521086	Oncogene	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:

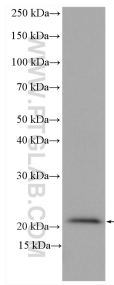
T: 4006900926

E: Proteintech-CN@ptglab.com

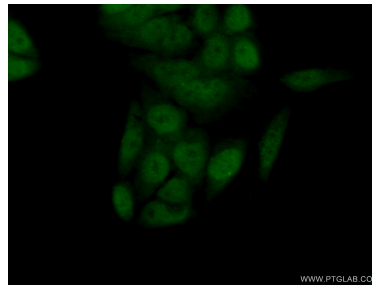
W: ptgcn.com

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

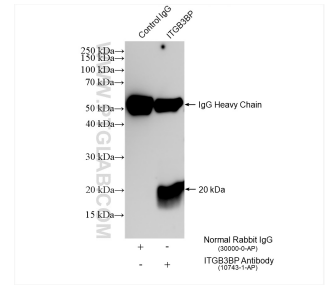
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 10743-1-AP (Centromere protein R antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 10743-1-AP (Centromere protein R antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-Centromere protein R (IP:10743-1-AP, 4 μ g; Detection:10743-1-AP 1:300) with K-562 cells lysate 2400 μ g.