

For Research Use Only

# Centromere protein R Polyclonal antibody

Catalog Number: 10743-1-AP

Featured Product

4 Publications



## Basic Information

Catalog Number:

10743-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human

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 : K-562 cells,

IP : K-562 cells,

IHC : human skin cancer tissue,

IF/ICC : A549 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
Lujue Long	39674578	Stem Cells Transl Med	WB
Tinnikov Alexander A AA	19190336	Cancer Res	WB, IF, 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

\*\*\* 20ul sizes contain 0.1% BSA

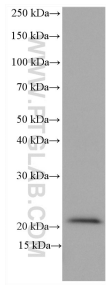
For technical support and original validation data for this product please contact:

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

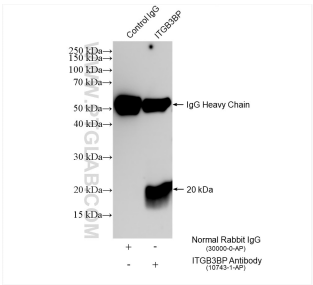
E: proteintech@ptglab.com  
W: ptglab.com

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

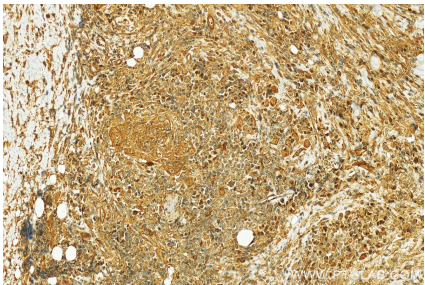
Selected Validation Data



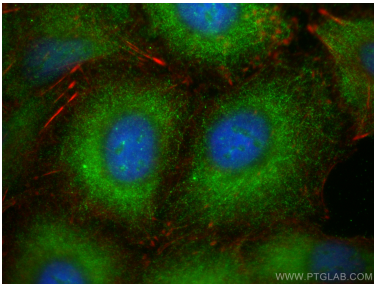
K-562 cells were subjected to SDS PAGE followed by western blot with 10743-1-AP (Centromere protein R antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 10743-1-AP (Centromere protein R antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using Centromere protein R antibody (10743-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).