

For Research Use Only

# Centromere protein R Polyclonal antibody



Catalog Number: 10743-1-AP

Featured Product

3 Publications

## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>10743-1-AP                           | <b>GenBank Accession Number:</b><br>BC009929                           | <b>Purification Method:</b><br>Antigen affinity purification      |
| <b>Size:</b><br>150ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>23421   | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IF 1:50-1:500 |
| <b>Source:</b><br>Rabbit                                       | <b>Full Name:</b><br>integrin beta 3 binding protein (beta3-endonexin) |   |
| <b>Isotype:</b><br>IgG   | <b>Calculated MW:</b><br>20 kDa  |   |
| <b>Immunogen Catalog Number:</b><br>AG1204                     | <b>Observed MW:</b><br>25 kDa  |   |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF, WB, ELISA | <b>Positive Controls:</b><br>WB : K-562 cells,<br>IF : HeLa cells, |
| <b>Cited Applications:</b><br>IF, IP, WB     |  |
| <b>Species Specificity:</b><br>human         |  |
| <b>Cited Species:</b><br>human               |  |

## 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

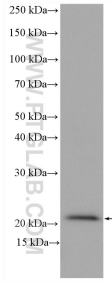
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

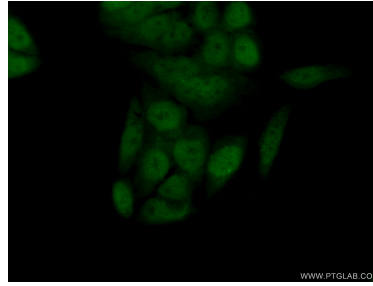
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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.



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).