

For Research Use Only

# NTF2 Polyclonal antibody

Catalog Number: 15538-1-AP



## Basic Information

<b>Catalog Number:</b> 15538-1-AP	<b>GenBank Accession Number:</b> BC002348	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10204	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear transport factor 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 14 kDa	
<b>Immunogen Catalog Number:</b> AG7879	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, IHC : human ovary tumor tissue, IF : MCF-7 cells,
<b>Species Specificity:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

NTF2 (nuclear transport factor 2), also named as NTF2, is a cytosolic protein responsible for nuclear import of Ran, a small Ras-like GTPase involved in a number of critical cellular processes, including cell cycle regulation, chromatin organization during mitosis, reformation of the nuclear envelope following mitosis, and controlling the directionality of nucleocytoplasmic transport. Nucleocytoplasmic translocation of NTF2 is regulated in mammalian cells, and may involve a tyrosine and/or threonine kinase-dependent signal transduction mechanism(s) (PMID: 22880006). The MW of this protein is 14 kDa, and this antibody specially recognises the 14 kDa protein.

## Storage

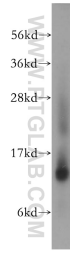
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

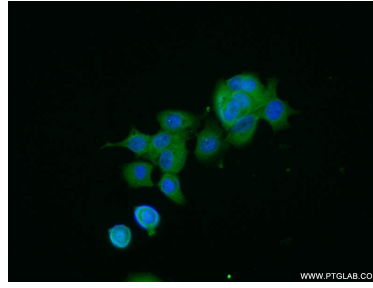
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

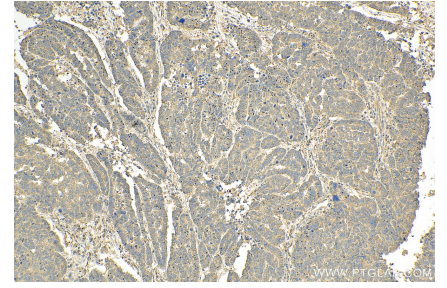
## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 15538-1-AP (NTF2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells using 15538-1-AP (NTF2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 15538-1-AP (NTF2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).