

# NTF2 Monoclonal antibody

Catalog Number: 66063-1-Ig

Featured Product

1 Publications

## Basic Information

**Catalog Number:**

66063-1-Ig

**Size:**

1300 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7879

**GenBank Accession Number:**

BC002348

**GeneID (NCBI):**

10204

**UNIPROT ID:**

P61970

**Full Name:**

nuclear transport factor 2

**Calculated MW:**

14 kDa

**Observed MW:**

13 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

4H7F9

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:250-1:1000

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**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 : HeLa cells, HepG2 cells, human heart tissue

IHC : human placenta tissue, human breast cancer tissue, human ovary tumor tissue

## Background Information

NUTF2 (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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Guangxu Xuan	35785175	Front Oncol	WB, IHC

## 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

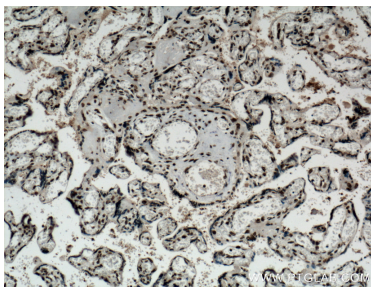
For technical support and original validation data for this product please contact:

T: 4006900926

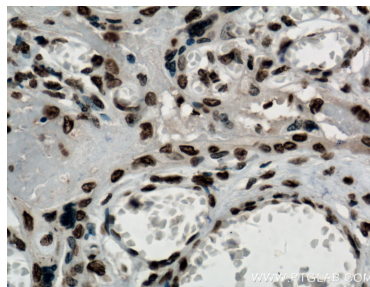
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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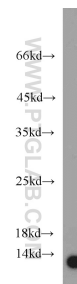
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66063-1-Ig (NTF2 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66063-1-Ig (NTF2 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



HeLa cells were subjected to SDS PAGE followed by western blot with 66063-1-Ig (NTF2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.