

For Research Use Only

# NFE2 Polyclonal antibody

Catalog Number: 11089-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 11089-1-AP	<b>GenBank Accession Number:</b> BC005044	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4778	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> nuclear factor (erythroid-derived 2), 45kDa	<b>IHC 1:20-1:200</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 41 kDa	
<b>Immunogen Catalog Number:</b> AG1570	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, U-937 cells
<b>Cited Applications:</b> CoIP, IF, WB	<b>IP :</b> K-562 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human colon cancer tissue,
<b>Cited Species:</b> human, mouse	<b>IF :</b> HepG2 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

The transcription factor p45 nuclear factor-erythroid-derived 2 (NFE2) is one component of the NF-E2 complex that essential for regulating erythroid and megakaryocytic maturation and differentiation. It also plays crucial roles in erythroid and megakaryocytic lineages. NFE2 recognizes the TCAT/C sequence of the AP-1-like core palindrome present in a number of erythroid and megakaryocytic gene promoters, and acts as an activator. And it may have a role in all aspects of hemoglobin production from globin and heme synthesis to procurement of iron. This is a rabbit polyclonal antibody raised against full-length NFE2 of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jia Li	34715142	Life Sci	WB
Zhiyuan Lu	34739188	Adv Sci (Weinh)	WB
Carme Aman	35619054	BMC Genomics	WB

## Storage

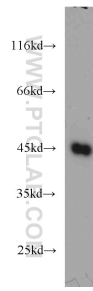
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

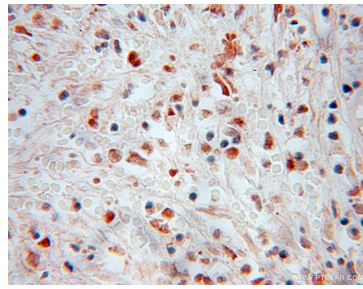
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

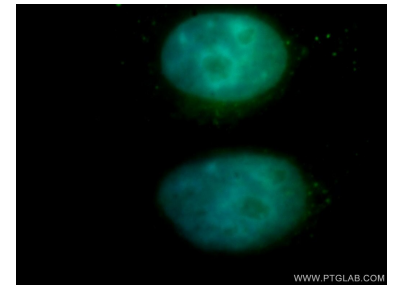
## Selected Validation Data



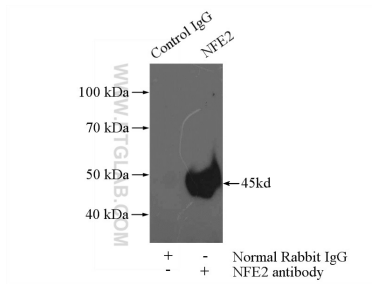
K-562 cells were subjected to SDS PAGE followed by western blot with 11089-1-AP (NFE2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11089-1-AP (NFE2 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using NFE2 antibody 11089-1-AP at 1:100 dilution and FITC-labeled donkey anti-rabbit IgG (green). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-NFE2 (IP:11089-1-AP, 4ug; Detection:11089-1-AP 1:500) with K-562 cells lysate 3440ug.