

For Research Use Only

NKX2-4 Polyclonal antibody

Catalog Number:33052-1-AP



Basic Information

Catalog Number:

33052-1-AP

Size:

150ul , Concentration: 300 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37291

GenBank Accession Number:

NM_033176

GeneID (NCBI):

644524

UNIPROT ID:

Q9H2Z4

Full Name:

NK2 homeobox 4

Calculated MW:

36kDa

Observed MW:

38-41 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, THP-1 cells

IF/ICC : HEK-293 cells,

Background Information

The NKX2-4 protein (full name: NK2 homeobox 4) belongs to the NK-2 type homeobox transcription factor family. Its main function is to act as a potential transcription factor, binding specifically to DNA sequences via its homeodomain and participating in the regulation of cell differentiation and the development of multicellular organisms. Studies have shown that this protein is active in the nucleus, and its aberrant expression may contribute to the development of acute myeloid leukemia by interfering with the normal differentiation of megakaryocytes and erythrocytes. Additionally, it can regulate the expression of genes such as TERT through allele-specific binding, thereby influencing tumor susceptibility in melanoma.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

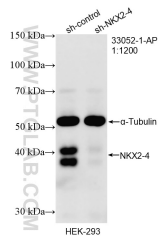
For technical support and original validation data for this product please contact:

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

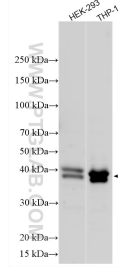
E: proteintech@ptglab.com
W: ptglab.com

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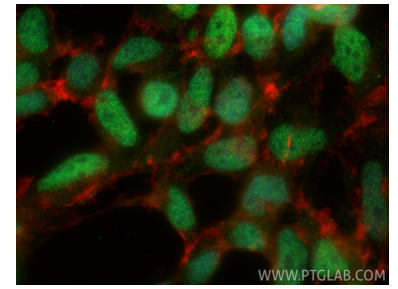
Selected Validation Data



WB result of NKX2-4 antibody (33052-1-AP; 1:1200; incubated at room temperature for 1.5 hours) with sh-Control and sh-NKX2-4 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 33052-1-AP (NKX2-4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using NKX2-4 antibody (33052-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).