NKX2.8 Antibody / NK2 Homeobox Protein Antibody (F46147)

Catalog No.	Formulation	Size
F46147-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46147-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O15522
Applications	Western Blot : 1:1000
Limitations	This NKX2.8 Antibody / NK2 Homeobox Protein Antibody is available for research use only.

NKX2.8 Antibody A549 WB. Western blot analysis of human A549 cell lysate using NKX2.8 Antibody detects a band at approximately 28 kDa, consistent with the expected molecular weight range of NKX2.8 / NK2 homeobox 8. This NK2 homeobox protein antibody supports characterization of developmental transcription factor signaling and lineage-associated regulatory pathways in epithelial-derived tumor cells.

Description

NK2 homeobox 8 (NKX2.8) is a nuclear transcription factor involved in developmental signaling, epithelial differentiation, lineage specification, and tissue-associated transcriptional regulation pathways. NKX2.8 belongs to the NK2 family of homeobox-containing transcription factors that regulate developmental gene expression programs and cellular differentiation-associated signaling networks. NKX2.8 Antibody is useful for investigations involving developmental biology, epithelial lineage signaling, nuclear regulatory pathways, and transcription factor-associated cellular regulation.

NKX2.8 antibody, also referred to as NK2 homeobox 8 antibody, Homeobox protein Nkx-2.8 antibody, and NKX2-8

transcription factor antibody in the literature, recognizes a nuclear DNA-binding protein encoded on chromosome 14q13.3. NKX2.8 expression has been associated with pulmonary epithelial biology, foregut-associated developmental pathways, and lineage-specific transcriptional regulatory signaling. NKX2.8-associated transcriptional networks contribute to regulation of differentiation-associated gene expression programs and maintenance of tissue-associated developmental identity.

NKX2.8 Antibody / NK2 Homeobox Protein Antibody is uniquely positioned for studies involving developmental transcriptional signaling and lineage-associated regulatory biology. This rabbit polyclonal antibody supports western blot detection of NKX2.8-associated transcription factor signaling pathways in epithelial-derived cellular systems. The polyclonal nature of the antibody may additionally support recognition of multiple NKX2.8-associated epitopes involved in developmental regulatory signaling and differentiation-associated transcriptional control.

NKX2.8 contributes directly to developmental pathway regulation through sequence-specific DNA binding and modulation of lineage-associated transcriptional programs. Altered NKX2.8-associated signaling has been linked to epithelial differentiation abnormalities, developmental pathway dysregulation, and tumor-associated transcriptional reprogramming. Because NKX2.8 functions as a lineage-associated transcription factor, it serves as an important marker for investigations involving developmental regulatory signaling and epithelial differentiation-associated biology.

In protein detection systems, NKX2.8 expression commonly demonstrates nuclear-associated localization patterns consistent with transcription factor biology. Epithelial-derived tissues and tumor cell populations associated with developmental transcriptional reprogramming may demonstrate NKX2.8-associated expression reflecting active lineage-associated signaling pathways and nuclear regulatory activity. NKX2.8-associated transcriptional networks contribute to tissue differentiation and developmental pathway organization.

This NKX2.8 Antibody supports research involving developmental signaling pathways, epithelial differentiation-associated regulation, lineage specification biology, homeobox transcription factor signaling, nuclear regulatory pathways, developmental transcriptional control, and tissue-associated gene expression regulation. The antibody may be incorporated into western blot and tissue-based investigations examining developmental transcription factor-associated signaling pathways in normal and diseased cells.

For highly specific detection of developmental transcriptional regulation pathways, see our NKX2.8 Antibody / Homeobox Transcription Factor Antibody page featuring clone NKX28/3233R with western blot validation data supporting lineage-associated transcription factor signaling studies.

Application Notes

Titration of the NKX2.8 Antibody / NK2 Homeobox Protein Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 2-8 from the human protein was used as the immunogen for this NKX2.8 antibody.

Storage

Aliquot the NKX2.8 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

NKX2.8 antibody, NK2 homeobox 8 antibody, Homeobox protein Nkx-2.8 antibody, NKX2-8 transcription factor antibody, Developmental transcription factor antibody, NK2 family transcription factor antibody