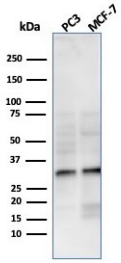
NKX2.8 Antibody / Homeobox Transcription Factor Antibody [clone NKX28/3233R] (V7858)

Catalog No.	Formulation	Size
V7858-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7858-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7858SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	NKX28/3233R
Purity	Protein A affinity chromatography
UniProt	O15522
Applications	Western Blot : 1-2ug/ml
Limitations	This NKX2.8 Antibody / Homeobox Transcription Factor Antibody is available for research use only.



NKX2.8 Antibody WB. Western blot analysis of human PC-3 and MCF-7 cell lysates using NKX2.8 Antibody detects bands migrating between approximately 26-34 kDa, consistent with the predicted molecular weight of NKX2.8 and commonly observed migration patterns for homeobox-associated transcription factors. This homeobox transcription factor antibody highlights developmental regulatory signaling and lineage-associated transcriptional control pathways in epithelial-derived tumor cell lines.

Description

NK2 homeobox 8 (NKX2.8) is a homeobox-containing transcription factor involved in developmental gene regulation, epithelial differentiation, lineage specification, and tissue-associated transcriptional signaling pathways. NKX2.8 functions as a nuclear regulatory protein controlling transcriptional programs associated with cellular differentiation and developmental patterning. NKX2.8 Antibody is useful for investigations involving developmental signaling, lineage-associated transcriptional regulation, epithelial differentiation, and homeobox transcription factor biology.

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 transcription factor encoded on chromosome 14q13.3. NKX2.8 belongs to the NK2 family of developmental transcription factors and is associated with tissue differentiation pathways involving epithelial lineage specification and developmental regulatory signaling. NKX2.8 expression has been linked to pulmonary epithelial biology, foregut-associated developmental pathways, and tumor-associated transcriptional regulation networks.

NKX2.8 Antibody / Homeobox Transcription Factor Antibody (clone NKX28/3233R) is uniquely positioned for studies involving developmental transcriptional regulation and lineage-associated signaling biology. This recombinant rabbit monoclonal antibody demonstrates strong western blot detection supporting characterization of NKX2.8-associated nuclear regulatory pathways. Clone NKX28/3233R supports investigations involving developmental transcription factor signaling, epithelial differentiation pathways, and lineage-associated gene regulatory networks.

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

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 regulatory signaling pathways. NKX2.8-associated signaling networks contribute to maintenance of differentiation-associated transcriptional identity and developmental regulatory organization.

This NKX2.8 Antibody supports research involving developmental transcriptional regulation, lineage-associated signaling, epithelial differentiation pathways, homeobox transcription factor biology, nuclear regulatory signaling, developmental pathway organization, and tissue-associated gene expression control. Clone NKX28/3233R may be incorporated into western blot and tissue-based investigations examining developmental transcription factor-associated signaling pathways in normal and diseased tissues.

Explore additional developmental signaling and transcriptional regulation markers on our Signal Transduction Antibodies landing page, including antibodies targeting lineage specification, epithelial differentiation, and nuclear regulatory signaling pathways.

Application Notes

Optimal dilution of the NKX2.8 Antibody / Homeobox Transcription Factor Antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 10-123) was used as the immunogen for the NKX2.8 antibody.

Storage

Store the recombinant NKX2.8 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

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