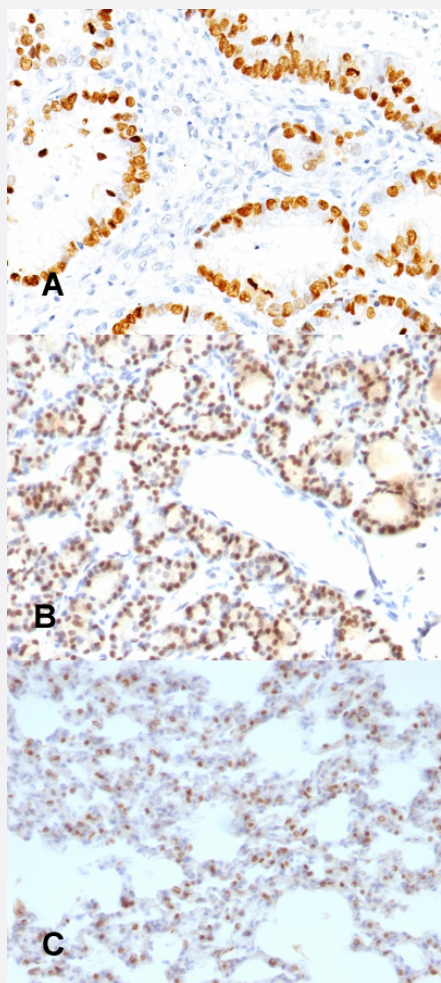


NKX2-1 monoclonal antibody, clone NX2.1/690

Catalog # MAB14451 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human lung adenocarcinoma (B) human thyroid and (C) rat lung with NKX2-1 monoclonal antibody, clone NX2.1/690 (Cat # MAB14451).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human NKX2-1.
Immunogen	Recombinant protein corresponding to full length human NKX2-1.
Host	Mouse

Theoretical MW (kDa)	40
Reactivity	Human, Rat
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/million cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA and 0.05% azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of (A) human lung adenocarcinoma (B) human thyroid and (C) rat lung with NKX2-1 monoclonal antibody, clone NX2.1/690 (Cat # MAB14451).

- Immunofluorescence

- Flow Cytometry

Gene Info — NKX2-1

Entrez GeneID	7080
Protein Accession#	P43699
Gene Name	NKX2-1
Gene Alias	BCH, BHC, NK-2, NKX2.1, NKX2A, TEBP, TTF1, TTF-1, TTF1
Gene Description	NK2 homeobox 1
Omim ID	118700 600635 610978

Gene Ontology

[Hyperlink](#)

Other Designations

NK-2 homolog A|benign chorea|thyroid nuclear factor|thyroid transcription factor 1

Publication Reference

- [Increased expression of thyroid transcription factor-1 \(TTF-1\) in respiratory epithelial cells inhibits alveolarization and causes pulmonary inflammation.](#)

Wert SE, Dey CR, Blair PA, Kimura S, Whitsett JA.

Developmental Biology 2002 Feb; 242(2):75.

Application: IHC-P, Mouse, Mouse lungs

Disease

- [Carcinoma](#)
- [Cell Transformation](#)
- [Colon cancer](#)
- [Congenital Hypothyroidism](#)
- [Foramen Ovale](#)
- [Genetic Predisposition to Disease](#)
- [Goiter](#)
- [Hirschsprung Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)