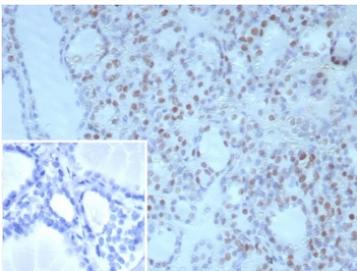


NKX2.1 Antibody / TTF-1 [clone NX2.1/9030] (V5549)

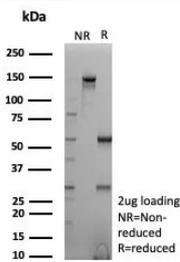
| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5549-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5549-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5549SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

[Bulk quote request](#)

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2a, kappa |
| Clone Name | NX2.1/9030 |
| Purity | Protein A/G affinity |
| UniProt | P43699 |
| Localization | Nucleus |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This NKX2.1 antibody is available for research use only. |



IHC staining of FFPE human thyroid tissue with NKX2.1 antibody (clone NX2.1/9030). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free NKX2.1 antibody (clone NX2.1/9030) as confirmation of integrity and purity.

Description

Homeobox protein Nkx-2.1, also called Thyroid transcription factor-1 (TTF-1) is a member of the NKx2 family of homeodomain transcription factors. It is expressed in epithelial cells of the thyroid gland and the lung. Anti-NKX2.1 is useful in differentiating primary adenocarcinoma of the lung from metastatic carcinomas originating in the breast, mediastinal germ cell tumors, and malignant mesothelioma. It can also be used to differentiate small cell lung carcinoma from lymphoid infiltrates.

Application Notes

Optimal dilution of the NKX2.1 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 1-200) of human TTF-1 protein was used as the immunogen for the NKX2.1 antibody.

Storage

Aliquot the NKX2.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.