Anti-Human NKX2-1 Antibody [K16164_7H10]

Catalog No. K16164M07H10C

Overview

Product name: Anti-Human NKX2-1 Antibody [K16164_7H10]
Antibody specificity: NK2 homeobox 1
Species reactivity: Human
Clonality: Monoclonal
Clone number: K16164_7H10
Host / isotype: Mouse / IgG2b
Immunogen: Recombinant human NKX2-1
Cross reactivity: Not tested
Kinetic characterization by BLI (biolayer interferometry): Not tested
Purification: Protein A purified from cell culture supernatants
Form: Liquid
Concentration: 1 mg/mL in phosphate buffered saline containing 0.09% preservative
Conjugation: Unconjugated

Shipping, storage and shelf life:
* 3 months when stored at 2 to 8 °C
* 1 year when aliquoted and stored at -20 °C
* 3 years when aliquoted and stored at -80 °C

Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Recommended concentration</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>5 µg/mL</td>
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Note:
* The applications above have already been verified. The antibody may be suitable for additional applications.
* Optimal antibody concentrations for each application should be determined by the user.

Additional information

Target antigen
- Protein name: NK2 homeobox 1
- Gene name: NKX2-1
- UniProt Accession: P43699
- Organism: Homo sapiens (Human)
Immunohistochemistry

IHC-P analysis of human lung cancer tissue by anti-human NKX2-1 antibody (K16164_7H10).

IHC-P was performed using sections of the formalin-fixed paraffin-embedded human lung cancer tissue. Antigen was retrieved through addition of boiling Tris/EDTA buffer pH 9 in a pressure cooker for 3 min. Endogenous peroxidase activity was quenched by incubating the sections with 3% H₂O₂ for 30 min at room temperature. The sections were then incubated with anti-human NKX2-1 primary antibody (K16164_7H10) at 5 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin. A tissue section incubated with phosphate-buffered saline followed by incubation with the secondary antibody was used as the background control.

Result: Alveolar cells are positively stained at the nuclei.