Anti-Human MAPRE3 Antibody [KT53]

Catalog No. K01003R20D02C

Overview

Product name: Anti-Human MAPRE3 Antibody [KT53]
Antibody specificity: Microtubule-associated protein RP/EB family member 3 (EB3, MAPRE3)
Species reactivity: Human
Clonality: Monoclonal
Clone number: KT53
Host / isotype: Rat / IgG2a
Immunogen: Expressed human EB3 fragment
Cross reactivity: Not tested
Kinetic characterization by BLI (biolayer interferometry): Not tested
Purification: Protein G 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>2 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: Microtubule associated protein RP/EB family member 3
- Gene name: MAPRE3
- UniProt Accession: Q9UPY8
- Organism: Homo sapiens (Human)

Product data

**Immunohistochemistry**

IHC-P analysis of human lung tissue by anti-human MAPRE3 antibody (KT53). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human lung 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 MAPRE3 primary antibody (KT53) at 2 µg/mL at room temperature for 1 h. Poly-peroxidase conjugated goat anti-mouse IgG (which cross reacts with rat IgG) was used as the secondary antibody. Diaminobenzidine was used as the chromogen. The section was counterstained with hematoxylin. Result: Microvilli on bronchus cells are positively stained.