Anti-Human CMTM6 Antibody [RCT8]

Catalog No. K06153M09G08C

Overview

Product name Anti-Human CMTM6 Antibody [RCT8]
Antibody specificity CKLF-like MARVEL transmembrane domain-containing protein 6 (CMTM6)
Species reactivity Human
Clonality Monoclonal
Clone number RCT8
Host / isotype Mouse / IgG1
Immunogen CMTM6 C-terminal peptide
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>
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<th>Recommended concentration</th>
<th>Note</th>
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<tbody>
<tr>
<td>Western blot (WB)</td>
<td>1 µg/mL</td>
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<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: CKLF like MARVEL transmembrane domain containing 6
Gene name: CMTM6
UniProt Accession: Q9NX76
Organism: Homo sapiens (Human)
**Western blotting**

15 µg of HeLa lysate was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. RCT8 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. CMTM6 band was visualized using ECL Western Blotting Substrate.

Result: RCT8 can detect human CMTM6 by Western blotting.

**Immunohistochemistry**

IHC-P analysis of human endometrium tissue by anti-human CMTM6 antibody (RCT8). Immunohistochemistry was performed using sections of the formalin-fixed paraffin-embedded human endometrium. 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 CMTM6 primary antibody (RCT8) at 2 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.

Result: Tumor cells are positively stained at cytosol and cell membrane.