Anti-Human TRAFD1 Antibody [K52015_7A2]

Catalog No. K52015M07A02C

Overview

Product name: Anti-Human TRAFD1 Antibody [K52015_7A2]
Antibody specificity: TRAF-type zinc finger domain containing 1 (Protein FLN29)
Species reactivity: Human
Clonality: Monoclonal
Clone number: K52015_7A2
Host / isotype: Mouse / IgG1
Immunogen: Recombinant human TRAFD1
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>Applications</th>
<th>Recommended concentration</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>2.5 µg/mL</td>
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<tr>
<td>Immunoprecipitation (IP)</td>
<td>10 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: TRAF-type zinc finger domain containing 1
- Gene name: TRAFD1
- UniProt Accession: O14545
- Organism: Homo sapiens (Human)
Product data

Immunohistochemistry
IHC-P analysis of human testis tissue by anti-human TRAFD1 antibody (K52015_7A2).
IHC-P was performed using sections of the formalin-fixed paraffin-embedded human testis 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 TRAFD1 primary antibody (K52015_7A2) at 2.5 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: Cells in seminiferous ducts are positively stained at the cytoplasm.

Immunoprecipitation
Immunoprecipitation was performed by incubation of 2.5 µg K52015_7A2 with K-562 lysate containing 200 µg total protein. After absorption with Protein G beads, the mixture was run on 6-18% SDS-PAGE and blotted onto nitrocellulose membrane. Anti-human TRAFD1 (K52015_13G3) at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. The isotype control antibody was KT82.
Lane 1: K-562 lysate
Lane 2: Human TRAFD1 immunoprecipitated from K-562 lysate by K52015_7A2
Lane 3: The same as Lane 2 but KT82 was used as IgG isotype control antibody
Result: K52015_7A2 can immunoprecipitate human TRAFD1.