Anti-Human ASRGL1 Antibody [K52014_16F8]

Catalog No. K52014C16F08C

Overview

Product name: Anti-Human ASRGL1 Antibody [K52014_16F8]
Antibody specificity: Asparaginase and isoaspartyl peptidase 1
Species reactivity: Human
Clonality: Monoclonal
Clone number: K52014_16F8
Host / isotype: Mouse / IgG2a
Immunogen: Recombinant human ASRGL1
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>
</tr>
</thead>
<tbody>
<tr>
<td>Western blot (WB)</td>
<td>1 µg/mL</td>
<td>Note:</td>
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<tr>
<td>Indirect ELISA</td>
<td>1 µg/mL</td>
<td>* The applications above have already been verified. The antibody may be suitable for additional applications.</td>
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<tr>
<td>Immunohistochemistry-paraffin (IHC-P)</td>
<td>1 µg/mL</td>
<td>* Optimal antibody concentrations for each application should be determined by the user.</td>
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Additional information

Target antigen
- Protein name: Asparaginase and isoaspartyl peptidase 1
- Gene name: ASRGL1
- UniProt Accession: Q7L266
- Organism: Homo sapiens (Human)
Product data

Western blotting
15 µg of Hep G2 lysate was run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K52014_16F8 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. ASRGL1 band was visualized using ECL Western Blotting Substrate.
Result: K52014_16F8 can detect human ASRGL1 by Western blotting.

Immunohistochemistry
IHC-P analysis of human endometrium tissue by anti-human ASRGL1 antibody (K52014_16F8).
IHC-P was performed using sections of the formalin-fixed paraffin-embedded human endometrium 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 ASRGL1 primary antibody (K52014_16F8) at 1 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: Glandular cells are positively stained at the cytoplasm.