Anti-SNAP25 Antibody [K1E003_18E10]

Catalog No. K1E003C18E10C

Overview

- **Product name**: Anti-SNAP25 Antibody [K1E003_18E10]
- **Antibody specificity**: Synaptosome associated protein 25 (SNAP-25)
- **Species reactivity**: Human, Rat
- **Clonality**: Monoclonal
- **Clone number**: K1E003_18E10
- **Host / isotype**: Mouse / IgG1
- **Immunogen**: Recombinant human SNAP25
- **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>
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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>1 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**: Synaptosome associated protein 25
  - **Gene name**: SNAP25
  - **UniProt Accession**: P60880
  - **Organism**: Homo sapiens (Human)
Western blotting
SH-SY5Y lysate and rat brain tissue lysate were run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. K1E003_18E10 at 1 µg/mL was used as the primary antibody and peroxidase conjugated goat anti-mouse IgG was used as the secondary antibody. SNAP25 band was visualized using ECL Western Blotting Substrate.

Lane 1: 15 µg of SH-SY5Y lysate
Lane 2: 15 µg of rat brain tissue lysate
Result: K1E003_18E10 can detect SNAP25 by Western blotting.

Immunohistochemistry
IHC-P analysis of human cerebral cortex tissue by anti-SNAP25 antibody (K1E003_18E10). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human cerebral cortex 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-SNAP25 primary antibody (K1E003_18E10) 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: Neuropil are positively stained.