Anti-Human GAP43 Antibody [KAA310_11A5]

Catalog No. KAA310M11A05C

### Overview

- **Product name**: Anti-Human GAP43 Antibody [KAA310_11A5]
- **Antibody specificity**: Growth associated protein 43
- **Species reactivity**: Human
- **Clonality**: Monoclonal
- **Clone number**: KAA310_11A5
- **Host / isotype**: Mouse / IgG1
- **Immunogen**: Human GAP43 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

- Shipped at ambient temperature. Avoid repeated freeze-thaw cycles.
- Upon receipt:
  - * 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>5 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: Growth associated protein 43
  - Gene name: GAP43
  - UniProt Accession: P17677
  - Organism: Homo sapiens (Human)

- **Paired antibody information**
  - KAA310_11A5 may pair with K29024_4D6 for sandwich based immune assays.
Immunohistochemistry

IHC-P analysis of human cerebral cortex tissue by anti-human GAP43 antibody (KAA310_11A5).

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-human GAP43 primary antibody (KAA310_11A5) at 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: Cytoplasm of neuronal cells and neuropil are positively stained.