Anti-Human ARHGAP45 Antibody [K49014_9D11]

Catalog No. K49014C09D11C

Overview

Product name Anti-Human ARHGAP45 Antibody [K49014_9D11]
Antibody specificity Rho GTPase activating protein 45
Species reactivity Human
Clonality Monoclonal
Clone number K49014_9D11
Host / isotype Mouse / IgG2a
Immunogen Recombinant human ARHGAP45
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

| Indirect ELISA | 1 µg/mL |
| Immunohistochemistry-paraffin (IHC-P) | 10 µg/mL |

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: Rho GTPase activating protein 45
- Gene name: ARHGAP45
- UniProt Accession: Q92619
- Organism: Homo sapiens (Human)
Immunohistochemistry

IHC-P analysis of human tonsil tissue by anti-human ARHGAP45 antibody (K49014_9D11). IHC-P was performed using sections of the formalin-fixed paraffin-embedded human tonsil 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 ARHGAP45 primary antibody (K49014_9D11) at 10 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: Germinal center cells, non-germinal center cells and langerhans cells are positively stained at the cytoplasm.