Datasheet for ABIN7599702

anti-RAB3GAP1 antibody (AA 109-810)

Go to Product page

Overview

Quantity:	100 µg
Target:	RAB3GAP1
Binding Specificity:	AA 109-810
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAB3GAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RAB3GAP1 Antibody Picoband®
Immunogen:	E.coli-derived human RAB3GAP1 recombinant protein (Position: N109-Q810).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RAB3GAP1 Antibody Picoband® (ABIN7599702). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	RAB3GAP1
Alternative Name:	RAB3GAP1 (RAB3GAP1 Products)
Background:	Synonyms: Ras GTPase-activating-like protein IQGAP2, IQGAP2 Tissue Specificity: Widely expressed. Highly expressed in ovary followed by spleen, thymus, prostate, testes and large intestine. Weakly expressed in small intestine. Background: Rab3 GTPase-activating protein catalytic subunit is an enzyme that in humans is encoded by the RAB3GAP1 gene. This gene encodes the catalytic subunit of a Rab GTPase activating protein. The encoded protein forms a heterodimer with a non-catalytic subunit to specifically regulate the activity of members of the Rab3 subfamily of small G proteins. This protein mediates the hydrolysis of GTP bound Rab3 to the GDP bound form. Mutations in this gene are associated with Warburg micro syndrome. Alternate splicing results in multiple transcript variants.
Molecular Weight:	130 kDa
Gene ID:	22930
UniProt:	Q15042

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Abdel-Hamid, M. S., Abdel-Ghafar, S. F., Ismail, S. R., Desouky, L. M., Issa, M. Y., Effat, L. K., Zaki, M. S. Micro and Martsolf syndromes in 34 new patients: refining the phenotypic spectrum and further molecular insights. Clin. Genet. 98: 445-456, 2020. 2. Abdel-Salam, G. M. H., Hassan, N. A., Kayed, H. F., Aligianis, I. A. Phenotypic variability in Micro syndrome: report of new cases. Genet. Counsel. 18: 423-435, 2007. 3. Aligianis, I. A., Johnson, C. A., Gissen, P., Chen, D., Hampshire, D., Hoffmann, K., Maina, E. N., Morgan, N. V., Tee, L., Morton, J., Ainsworth, J. R., Horn, D., and 20 others. Mutations of the catalytic subunit of RAB3GAP cause Warburg Micro syndrome. Nature Genet. 37: 221-223, 2005.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.