

Datasheet for ABIN7601655
anti-GIT2 antibody (AA 400-556)



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Overview

Quantity:	100 µg
Target:	GIT2
Binding Specificity:	AA 400-556
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GIT2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GIT2 Antibody Picoband®
Immunogen:	E.coli-derived human GIT2 recombinant protein (Position: D400-S556).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GIT2 Antibody Picoband® (ABIN7601655). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse. 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:	GIT2
Alternative Name:	GIT2 (GIT2 Products)
Background:	Synonyms: Interleukin-25, IL-25, Interleukin-17E, IL-17E, IL25, IL17E, UNQ3120/PRO10272 Tissue Specificity: Expressed at low levels in several tissues, including brain, kidney, lung, prostate, testis, spinal cord, adrenal gland, and trachea. Background: ARF GTPase-activating protein GIT2 is an enzyme that in humans is encoded by the GIT2 gene. This gene encodes a member of the GIT protein family, which interact with G protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding.
Molecular Weight:	85 kDa
Gene ID:	9815
UniProt:	Q14161
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bagrodia, S., Bailey, D., Lenard, Z., Hart, M., Guan, J. L., Premont, R. T., Taylor, S. J., Cerione, R. A. A tyrosine-phosphorylated protein that binds to an important regulatory region on the Cool family of p21-activated kinase-binding proteins. J. Biol. Chem. 274: 22393-22400, 1999. 2. Mazaki, Y., Hashimoto, S., Okawa, K., Tsubouchi, A., Nakamura, K., Yagi, R., Yano, H., Kondo, A., Iwamatsu, A., Mizoguchi, A., Sabe, H. An ADP-ribosylation factor GTPase-activating protein Git2-short/KIAA0148 is involved in subcellular localization of paxillin and actin cytoskeletal organization. Molec. Biol. Cell 12: 645-662, 2001. 3. Nagase, T., Seki, N., Tanaka, A., Ishikawa, K.,
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Application Details

Nomura, N. Prediction of the coding sequences of unidentified human genes. IV. The coding sequences of 40 new genes (KIAA0121-KIAA0160) deduced by analysis of cDNA clones from human cell line KG-1. DNA Res. 2: 167-174, 1995.

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.