Datasheet for ABIN7601819

anti-CIT antibody (AA 470-1505)

Go to Product page

Overview

Quantity:	100 µg
Target:	CIT
Binding Specificity:	AA 470-1505
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CIT antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CIT Antibody Picoband®
Immunogen:	E.coli-derived human CIT recombinant protein (Position: Q470-H1505). Human CIT shares 95.2% and 94.7% amino acid (aa) sequence identity with mouse and rat CIT, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-CIT Antibody Picoband® (ABIN7601819). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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:	CIT
Alternative Name:	CIT (CIT Products)
Background:	Synonyms: CIT, CRIK, KIAA0949, STK21, Citron Rho-interacting kinase, CRIK, EC 2.7.11.1, Serine/threonine-protein kinase 21 Background: This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants.
Molecular Weight:	231 kDa
Gene ID:	11113
UniProt:	O14578
Pathways:	SARS-CoV-2 Protein Interactome, The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Basit, S., Al-Harbi, K. M., Alhijji, S. A. M., Albalawi, A. M., Alharby, E., Eldardear, A., Samman, M. I. CIT, a gene involved in neurogenic cytokinesis, is mutated in human primary microcephaly. Hum. Genet. 135: 1199-1207, 2016. 2. Di Cunto, F., Calautti, E., Hsiao, J., Ong, L., Topley, G., Turco, E., Dotto, G. P. Citron Rho-interacting kinase, a novel tissue-specific ser/thr kinase encompassing the Rho-Rac-binding protein citron. J. Biol. Chem. 273: 29706-29711, 1998. 3. Di Cunto, F., Imarisio, S., Hirsch, E., Broccoli, V., Bulfone, A., Migheli, A., Atzori, C., Turco, E., Triolo, R., Dotto, G. P., Silengo, L., Altruda, F. Defective neurogenesis in citron kinase knockout mice by altered cytokinesis and massive apoptosis. Neuron 28: 115-127, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

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.