Datasheet for ABIN7599085

anti-DOCK8 antibody (AA 1-2099)

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Overview

Quantity:	100 µg
Target:	DOCK8
Binding Specificity:	AA 1-2099
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DOCK8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-DOCK8 Antibody Picoband®
Immunogen:	E.coli-derived human DOCK8 recombinant protein (Position: M1-S2099). Human DOCK8 shares 91.8% amino acid (aa) sequence identity with mouse DOCK8.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-DOCK8 Antibody Picoband® (ABIN7599085). Tested in WB, IHC, 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:	DOCK8
Alternative Name:	DOCK8 (DOCK8 Products)
Background:	Synonyms: DOCK8, Dedicator of cytokinesis protein 8 Background: This gene encodes a member of the DOCK180 family of guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with Rho GTPases and are components of intracellular signaling networks. Mutations in this gene result in the autosomal recessive form of the hyper-IgE syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Weight:	230 kDa
Gene ID:	81704

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Rat Immunohistochemistry, 2-5 µg/mL, Human, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Griggs, B. L., Ladd, S., Saul, R. A., DuPont, B. R., Srivastava, A. K. Dedicator of cytokinesis 8 is disrupted in two patients with mental retardation and developmental disabilities. Genomics 91: 195-202, 2008. 2. MacDermot, K. D., Hulten, M. Female with hypohidrotic ectodermal dysplasia and de novo (X,9) translocation: clinical documentation of the AnLy cell line case. Hum. Genet. 84: 577-579, 1990. 3. Pillay, B. A., Fusaro, M., Gray, P. E., Statham, A. L., Burnett, L., Bezrodnik, L., Kane, A., Tong, W., Abdo, C., Winter, S., Chevalier, S., Levy, R., and 18 others. Somatic reversion of pathogenic DOCK8 variants alters lymphocyte differentiation and function to effectively cure DOCK8 deficiency. J. Clin. Invest. 131: e142434, 2021.
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

Handling

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.