

Datasheet for ABIN7602035
anti-IdnK antibody (AA 56-182)



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Overview

Quantity:	100 µg
Target:	IdnK (IDNK)
Binding Specificity:	AA 56-182
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IdnK antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-IDNK Antibody Picoband®
Immunogen:	E.coli-derived human IDNK recombinant protein (Position: Q56-E182). Human IDNK shares 70.9% amino acid (aa) sequence identity with both mouse and rat IDNK.
Characteristics:	Anti-IDNK Antibody Picoband® (ABIN7602035). Tested in WB, 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:	IdnK (IDNK)
Alternative Name:	IDNK (IDNK Products)
Background:	C9orf103 (chromosome 9 open reading frame 103), also known as gluconate kinase, is a 187 amino acid protein that belongs to the gluconokinase gntK/gntV family and catalyzes the conversion of ATP and D-gluconate to ADP and 6-D-gluconate. Existing as three alternatively spliced isoforms, the gene encoding C9orf103 maps to human chromosome 9q21.32. Chromosome 9 consists of about 145 million bases, represents 4% of the human genome and encodes nearly 900 genes. Thought to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster.
Molecular Weight:	21 kDa
Gene ID:	414328
UniProt:	Q5T6J7

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Sweetser, D. A., Peniket, A. J., Haaland, C., Blomberg, A. A., Zhang, Y., Zaidi, S. T., Dayyani, F., Zhao, Z., Heerema, N. A., Boultonwood, J., Dewald, G. W., Paietta, E., Slovak, M. L., Willman, C. L., Wainscoat, J. S., Bernstein, I. D., Daly, S. B. Delineation of the minimal commonly deleted segment and identification of candidate tumor-suppressor genes in del(9q) acute myeloid leukemia. <i>Genes Chromosomes Cancer</i> 44: 279-291, 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 Na ₂ HPO ₄ .

Handling

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.