

Datasheet for ABIN7602606  
**anti-IAH1 antibody (AA 89-362)**



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## Overview

Quantity:	100 µg
Target:	IAH1
Binding Specificity:	AA 89-362
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IAH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Purpose:	Anti-IAH1 Antibody Picoband®
Immunogen:	E.coli-derived human PARD6B recombinant protein (Position: L89-L362). Human PARD6B shares 89.1% amino acid (aa) sequence identity with mouse PARD6B.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-IAH1 Antibody Picoband® (ABIN7602606). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry 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.

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target:	IAH1
Alternative Name:	IAH1 ( <a href="#">IAH1 Products</a> )
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: IAH1, also referred to as Isoamyl acetate-hydrolyzing esterase 1 homolog, has 248 amino acids and is approximately 27 kDa. IAH1 is a member of the GDSL lipolytic enzyme family, and likely functions as a lipase. Research surrounding IAH1 has shown a possible link to alcoholism. IAH1 has also been shown to interact with alcohol dehydrogenase 5, ATP50, CABP1, COQ2, and FAAH.</p>
Molecular Weight:	28 kDa
Gene ID:	285148

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Mouse</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Kobayashi, M., Suzuki, M., Ohno, T., Tsuzuki, K., Taguchi, C., Tateishi, S., ... &amp; Horio, F. (2016). Detection of differentially expressed candidate genes for a fatty liver QTL on mouse</p>
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Application Details

chromosome 12. BMC genetics, 17, 1-10. 2. Seppälä, I., Kleber, M. E., Lyytikäinen, L. P., Hernesniemi, J. A., Mäkelä, K. M., Oksala, N., ... & AtheroRemo Consortium. (2014). Genome-wide association study on dimethylarginines reveals novel AGXT2 variants associated with heart rate variability but not with overall mortality. European heart journal, 35(8), 524-531. 3. Am Seo, B., Kim, D., Hwang, H., Kim, M. S., Ma, S. X., Kwon, S. H., ... & Ko, H. S. (2021). TRIP12 ubiquitination of glucocerebrosidase contributes to neurodegeneration in Parkinson's disease. Neuron, 109(23), 3758-3774.

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.