

Datasheet for ABIN7602316
anti-HDDC2 antibody (AA 7-204)



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Overview

Quantity:	100 µg
Target:	HDDC2
Binding Specificity:	AA 7-204
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HDDC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-HDDC2 Antibody Picoband®
Immunogen:	E.coli-derived human HDDC2 recombinant protein (Position: A7-S204). Human HDDC2 shares 89.2% amino acid (aa) sequence identity with mouse HDDC2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-HDDC2 Antibody Picoband® (ABIN7602316). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. 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: HDDC2

Alternative Name: HDDC2 ([HDDC2 Products](#))

Background: 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

Tissue Specificity: Expressed in all tissues.

Background: HDDC2 (HD Domain Containing 2) is located on human chromosome 6q22.31. The HDDC2 protein is ubiquitously expressed in adrenal, brain and other tissues. Structurally, the encoded protein is reported to be 27160 Da in mass. The HDDC2 (also known as C6orf74, CGI-130, NS5ATP2, dJ16705.2) gene is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C.elegans, S.cerevisiae, K.lactis, E.gossypii, S.pombe, rice, frog, etc. 239 organisms have orthologs with human gene HDDC2. HDDC2 catalyzes the dephosphorylation of the nucleoside 5'-monophosphates deoxyadenosine monophosphate (dAMP), deoxycytidine monophosphate (dCMP), deoxyguanosine monophosphate (dGMP) and deoxythymidine monophosphate (dTMP).

Molecular Weight: 26 kDa

Gene ID: 51020

UniProt: [Q7Z4H3](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Application Details

	Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Lai, C. H., Chou, C. Y., Ch'ang, L. Y., Liu, C. S., & Lin, W. C. (2000). Identification of novel human genes evolutionarily conserved in Caenorhabditis elegans by comparative proteomics. Genome research, 10(5), 703-713. 2. Seo, G., Han, H., Vargas, R. E., Yang, B., Li, X., & Wang, W. (2020). MAP4K interactome reveals STRN4 as a key STRIPAK complex component in hippo pathway regulation. Cell reports, 32(1). 3. Ulbrich, S., Janning, P., Seidel, R., Matschke, J., Gonsberg, A., Jung, S., ... & Tatzelt, J. (2018). Alterations in the brain interactome of the intrinsically disordered N-terminal domain of the cellular prion protein (PrPC) in Alzheimer's disease. PLoS one, 13(5), e0197659.
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Restrictions:	For Research Use only
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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.