

Rabbit HDHD5 Polyclonal Antibody | anti-HDHD5 antibody

Anti-HDHD5 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20013	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

HDHD5; Polyclonal Antibody; Anti-HDHD5 Antibody Picoband; Serine/threonine-protein kinase AtPK1/AtPK6; 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 70kDa 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; anti-HDHD5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-HDHD5 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human HDHD5 recombinant protein (Position: A12-E423). Human HDHD5 shares 71.1% amino acid (aa) sequence identity with mouse HDHD5.
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-HDHD5 antibody	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 Categories/Family for anti-HDHD5 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Formosa, L. E., Mimaki, M., Frazier, A. E., McKenzie, M., Stait, T. L., Thorburn, D. R., ... & Ryan, M. T. (2015). Characterization of mitochondrial FOXRED1 in the assembly of respiratory chain complex I. Human molecular genetics, 24(10), 2952-2965.2. Footz, T. K., Brinkman-Mills, P., Banting, G. S., Maier, S. A., Riaz, M. A., Bridgland, L., ... & McDermid, H. E. (2001). Analysis of the cat eye syndrome critical region in humans and the region of conserved synteny in mice: a search for candidate genes at or near the human chromosome 22 pericentromere. Genome Research, 11(6), 1053-1070.3. Pope, S. N., & Lee, I. R. (2005). Yeast two-hybrid identification of prostatic proteins interacting with human sex hormone-binding globulin. The Journal of Steroid Biochemistry and Molecular Biology, 94(1-3), 203-208

NCBI AND UNIPROT INFORMATION

NCBI GI #	21914862
NCBI GeneID	27440
NCBI Accession #	NP_060299.4
NCBI GenBank Nucleotide #	NM_017829.5
UniProt Accession #	Q9BXW7; Q9BXW8; Q9NWA8; Q9NX41; B2RCK5
Molecular Weight	46,321 Da
NCBI Official Full Name	cat eye syndrome chromosome region, candidate 5 isoform 1
NCBI Official Synonym Full Names	cat eye syndrome chromosome region, candidate 5
NCBI Official Symbol	CECR5
NCBI Protein Information	cat eye syndrome chromosome region, candidate 5; OTTHUMP00000196150; OTTHUMP00000196151
UniProt Protein Name	Cat eye syndrome critical region protein 5
UniProt Gene Name	CECR5
UniProt Entry Name	CECR5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.