

Rabbit PHF6 Polyclonal Antibody | anti-PHF6 antibody

Anti-PHF6 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19786	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PHF6; Polyclonal Antibody; Anti-PHF6 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-PHF6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, 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-PHF6 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Monkey, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human PHF6 recombinant protein (Position: Q37-D309). Human PHF6 shares 98.2% amino acid (aa) sequence identity with mouse PHF6.
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-PHF6 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-PHF6 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Ahmed, R., Sarwar, S., Hu, J., Cardin, V., Qiu, L. R., Zapata, G., Vandeleur, L., Yan, K., Lerch, J. P., Corbett, M. A., Gecz, J., Picketts, D. J. Transgenic mice with an R342X mutation in Phf6 display clinical features of Borjeson-Forssman-Lehmann syndrome. Hum. Molec. Genet. 30: 575-594, 2021.2. Borjeson, M., Forssman, H., Lehmann, O. An X-linked, recessively inherited syndrome characterized by grave mental deficiency, epilepsy, and endocrine disorder. Acta Med. Scand. 171: 13-21, 1962. 3. Crawford, J., Lower, K. M., Hennekam, R. C. M., Van Esch, H., Megarbane, A., Lynch, S. A., Turner, G., Gecz, J. Mutation screening in Borjeson-Forssman-Lehmann syndrome: identification of a novel de novo PHF6 mutation in a female patient. J. Med. Genet. 43: 238-243, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62865858
NCBI GeneID	84295
NCBI Accession #	NP_001015877
NCBI GenBank Nucleotide #	NM_001015877
UniProt Accession #	Q8IWS0; Q5JRC7; Q5JRC8; Q96JK3; Q9BRU0; A8K230; B4E0G4; D3DTG3; E9PC97
Molecular Weight	37,628 Da
NCBI Official Full Name	PHD finger protein 6 isoform 1
NCBI Official Synonym Full Names	PHD finger protein 6
NCBI Official Symbol	PHF6
NCBI Official Synonym Symbols	BFLS; BORJ; CENP-31
NCBI Protein Information	PHD finger protein 6; PHD-like zinc finger protein; centromere protein 31
UniProt Protein Name	PHD finger protein 6
UniProt Gene Name	PHF6
UniProt Synonym Gene Names	CENP-31; KIAA1823
UniProt Entry Name	PHF6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/phf6-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19786>