

Rabbit anti-Human PHF21B Polyclonal Antibody | anti-PHF21B antibody

Anti-PHF21B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125824	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

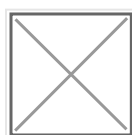
PRODUCT SYNONYMS

PHF21B; Polyclonal Antibody; Anti-PHF21B Antibody; KIAA1661; PHD finger protein 21B; anti-PHF21B antibody

PRODUCT SPECIFICATIONS

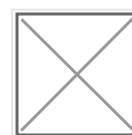
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for PHF21B detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄ .
Applicable Applications for anti-PHF21B antibody	ELISA (Direct ELISA), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E Coli-derived human PHF21B recombinant protein (Position: E291-M499).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 2. IF analysis of PHF21B using anti- PHF21B antibody (AAA125824).PHF21B was detected in immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5µg/mL rabbit anti- PHF21B Antibody (AAA125824) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PHF21B using anti-PHF21B antibody (AAA125824).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.Lane 1: human U2OS whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-PHF21B antigen affinity purified polyclonal antibody (Catalog # AAA125824) at 0. 5 µg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PHF21B at approximately 57KD. The expected band size for PHF21B is at 57KD.

ADDITIONAL INFORMATION

Related Product Information for anti-PHF21B antibody	PHF21B (PHD finger protein 21B), also known as PHF4, is a 531 amino acid protein that contains one PHD-type zinc finger and is expressed as multiple alternatively spliced isoforms. The gene encoding PHF21B maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, neurofibromatosis type 2, autism and schizophrenia.
References	<ol style="list-style-type: none"> 1. Bergamo, N. A., da Silva Veiga, L. C., dos Reis, P. P., Nishimoto, I. N., Magrin, J., Kowalski, L. P., Squire, J. A., Rogatto, S. R. Classic and molecular cytogenetic analyses reveal chromosomal gains and losses correlated with survival in head and neck cancer patients. Clin. Cancer Res. 11: 621-631, 2005. 2. Bertonha, F. B., Barros Filho, M. deC., Kuasne, H., dos Reis, P. P., da Costa Prando, E., Munoz, J. J. A. M., Roffe, M., Hajj, G. N. M., Kowalski, L. P., Rainho, C. A., Rogatto, S. R. PHF21B as a candidate tumor suppressor gene in head and neck squamous cell carcinomas. Molec. Oncol. 9: 450-462, 2015. 3. Reis, P. P., Rogatto, S. R., Kowalski, L. P., Nishimoto, I. N., Montovani, J. C., Corpus, G., Squire, J. A., Kamel-Reid, S. Quantitative real-time PCR identifies a critical region of deletion on 22q13 related to prognosis in oral cancer. Oncogene 21: 6480-6487, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923937
NCBI GeneID	112885
NCBI Accession #	NP_612424
NCBI GenBank Nucleotide #	NM_138415.4
UniProt Accession #	Q96EK2 ; Q5TFL2 ; Q6ICC0 ; B0QYW3 ; B0QYW4 ; B3KRU4 ; B7Z4F8
Molecular Weight	51,776 Da
NCBI Official Full Name	PHD finger protein 21B isoform 1
NCBI Official Synonym Full Names	PHD finger protein 21B
NCBI Official Symbol	PHF21B
NCBI Official Synonym Symbols	PHF4; BHC80L
NCBI Protein Information	PHD finger protein 21B
UniProt Protein Name	PHD finger protein 21B
UniProt Gene Name	PHF21B
UniProt Synonym Gene Names	KIAA1661
UniProt Entry Name	PF21B_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phf21b-antibody-direct-elisa-immunofluorescence-immunocytochemistry-western-blot-elisa/125824>