

Rabbit anti-Human, Rat PHF24 Polyclonal Antibody | anti-PHF24 antibody

Anti-PHF24 Antibody Picoband

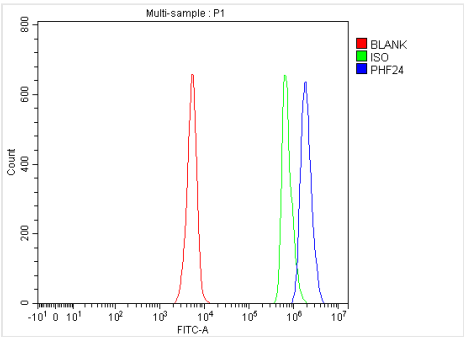
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127882	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PHF24; Polyclonal Antibody; Anti-PHF24 Antibody Picoband; anti-PHF24 antibody

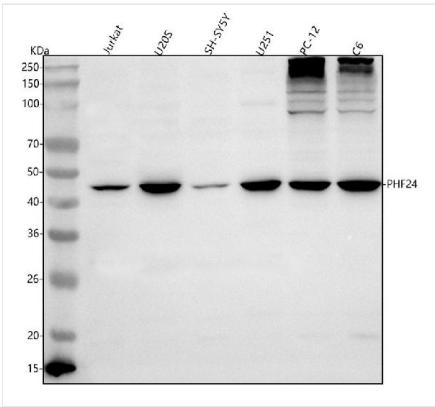
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PHF24 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PHF24 recombinant protein (Position: D113-K397). Human PHF24 shares 89.5% amino acid (aa) sequence identity with mouse PHF24.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SH-SY5Y cells using anti-PHF24 antibody (AAA127882). Overlay histogram showing SH-SY5Y cells stained with AAA127882 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PHF24 Antibody (AAA127882, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of PHF24 using anti-PHF24 antibody (AAA127882). 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 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human SH-SY5Y whole cell lysates, Lane 4: human U251 whole cell lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: rat C6 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-PHF24 antigen affinity purified polyclonal antibody (#AAA127882) at 0.5ug/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 PHF24 at approximately 45 kDa. The expected band size for PHF24 is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PHF24 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-PHF24 antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 6/23/2022.2. Kikuno, R., Nagase, T., Ishikawa, K., Hirose, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XIV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 6: 197-205, 1999. 3. Miyamoto, K., Yamashita, A., Saito, K. Solution structure of the PHD finger from the human KIAA1045 protein. Protein Sci. 27: 987-992, 2018.

NCBI AND UNIPROT INFORMATION

NCBI GI #	149944593
NCBI GeneID	23349
NCBI Accession #	NP_056112.1
NCBI GenBank Nucleotide #	NM_015297.1
UniProt Accession #	Q9UPV7; Q58FE9; Q5T662; B7Z253
Molecular Weight	45,192 Da
NCBI Official Full Name	protein KIAA1045
NCBI Official Synonym Full Names	KIAA1045

NCBI Official Symbol	KIAA1045
NCBI Protein Information	protein KIAA1045
UniProt Protein Name	Protein KIAA1045
UniProt Gene Name	KIAA1045
UniProt Entry Name	K1045_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://www.aaabiotech.com/polyclonal/phf24-antibody-flow-cytometry-western-blot-elisa/127882>