

Rabbit PYHIN1 Polyclonal Antibody | anti-PYHIN1 antibody

Anti-PYHIN1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19944	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PYHIN1; Polyclonal Antibody; Anti-PYHIN1 Antibody Picoband; anti-PYHIN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, 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-PYHIN1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human 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 PYHIN1 recombinant protein (Position: K86-H488). Human PYHIN1 shares 45.6% amino acid (aa) sequence identity with mouse PYHIN1.
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 (Flow Cytometry)

Figure 7. Flow Cytometry analysis of JK cells using anti-PYHIN1 antibody (AAA19944). Overlay histogram showing JK cells stained with AAA19944 (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-PYHIN1 Antibody (AAA19944, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 6. IF analysis of PYHIN1 using anti-PYHIN1 antibody (AAA19944).PYHIN1 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PYHIN1 Antibody (AAA19944) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PYHIN1 Antibody (AAA19944) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PYHIN1 Antibody (AAA19944) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-PYHIN1 Antibody (AAA19944) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: human Jurkat 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-PYHIN1 antigen affinity purified polyclonal antibody (#AAA19944) 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 PYHIN1 at approximately 55 kDa. The expected band size for PYHIN1 is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PYHIN1 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-PYHIN1 antibody	Primary Antibodies
References	1. Ding, Y., Lee, J.-F., Lu, H., Lee, M.-H., Yan, D.-H. Interferon-inducible protein IFIX-alpha-1 functions as a negative regulator of HDM2. Molec. Cell. Biol. 26: 1979-1996, 2006. 2. Ding, Y., Wang, L., Su, L.-K., Frey, J. A., Shao, R., Hunt, K. K., Yan, D.-H. Antitumor activity of IFIX, a novel interferon-inducible HIN-200 gene, in breast cancer. Oncogene 23: 4556-4566, 2004. 3. Yamaguchi, H., Ding, Y., Lee, J.-F., Zhang, M., Pal, A., Bornmann, W., Yan, D.-H., Hung, M.-C. Interferon-inducible protein IFIX-alpha inhibits cell invasion by upregulating the metastasis suppressor maspin. Molec. Carcinogen. 47: 739-743, 2008.

NCBI AND UNIPROT INFORMATION

NCBI GI #	39540514
NCBI GeneID	149628
NCBI Accession #	NP_689714.2
NCBI GenBank Nucleotide #	NM_152501.4
UniProt Accession #	Q6K0P9; Q5T3W6; Q6K0P6; Q6K0P7; Q6K0P8; Q8WW65
Molecular Weight	55,065 Da

NCBI Official Full Name	pyrin and HIN domain-containing protein 1 isoform alpha 1
NCBI Official Synonym Full Names	pyrin and HIN domain family, member 1
NCBI Official Symbol	PYHIN1
NCBI Official Synonym Symbols	IFIX
NCBI Protein Information	pyrin and HIN domain-containing protein 1; interferon-inducible protein X
UniProt Protein Name	Pyrin and HIN domain-containing protein 1
UniProt Gene Name	PYHIN1
UniProt Synonym Gene Names	IFIX
UniProt Entry Name	IFIX_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/pyhin1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19944>