

Rabbit HIP1R Polyclonal Antibody | anti-HIP1R antibody

Anti-HIP1R Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19533	Rabbit	Human, Mouse, Rat, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

HIP1R; Polyclonal Antibody; Anti-HIP1R Antibody Picoband; anti-HIP1R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-HIP1R antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human, Mouse, Rat, Monkey IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human HIP1R recombinant protein (Position: E316-E734).
Preparation and Storage	Store 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 Raji cells using anti-HIP1R antibody (AAA19533).Overlay histogram showing Raji cells stained with AAA19533 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-HIP1R Antibody (AAA19533, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 6. IF analysis of HIP1R using anti-HIP1R antibody (AAA19533).HIP1R was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-HIP1R Antibody (AAA19533) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) 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.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of HIP1R using anti-HIP1R antibody (AAA19533).HIP1R was detected in a paraffin-embedded section of human renal clear cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HIP1R Antibody (AAA19533) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of HIP1R using anti-HIP1R antibody (AAA19533).HIP1R was detected in a paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HIP1R Antibody (AAA19533) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of HIP1R using anti-HIP1R antibody (AAA19533).HIP1R was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HIP1R Antibody (AAA19533) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of HIP1R using anti-HIP1R antibody (AAA19533).HIP1R was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-HIP1R Antibody (AAA19533) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-HIP1R antibody	Huntingtin-interacting protein 1-related protein is a protein that in humans is encoded by the HIP1R gene. Huntingtin-interacting protein 1-related protein, or HIP1R, was identified on the basis of its structural homology with Huntingtin-interacting protein 1, or HIP1. Based on its domain structure, HIP1R is a putative endocytosis-related protein. Knockdown of HIP1R impairs the endocytosis of activated epidermal growth factor receptor (EGFR) and the consequent activation of the downstream ERK and Akt proteins. Additionally, HIP1R is a component of the clathrin-coated pits and vesicles, which in part links the endocytic machinery to the actin cytoskeleton. It binds to 3-phosphoinositides via ENTH domains to promote cell survival by stabilizing receptor tyrosine kinases following ligand-induced endocytosis. HIP1R deficiency significantly reduces the expression of the ionotropic glutamate receptor GluA1, GluN2A, and GluN2B subunits, but not the GABAA receptor alpha1 subunit. Knockdown of HIP1R reduces the amplitude and frequency of the miniature excitatory postsynaptic current, but not of the miniature inhibitory postsynaptic curren. HIP1R has been identified as a protein that can target histone deacetylase-3-mediated neurodegeneration, along with other proteins like NPTX1, NFL, TEX10, and TGFFG.
Product Categories/Family for anti-HIP1R antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13431563
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NCBI GeneID	9026
UniProt Accession #	O75146; Q6NXG8; Q9UED9; A6NHQ6
Molecular Weight	1068
NCBI Official Full Name	Huntingtin-interacting protein 1-related protein
NCBI Official Synonym Full Names	huntingtin interacting protein 1 related
NCBI Official Symbol	HIP1R
NCBI Official Synonym Symbols	HIP3; HIP12; ILWEQ
NCBI Protein Information	huntingtin-interacting protein 1-related protein; HIP-12; HIP1-related protein; huntingtin interacting protein 12; huntingtin-interacting protein 12
UniProt Protein Name	Huntingtin-interacting protein 1-related protein
UniProt Gene Name	HIP1R
UniProt Synonym Gene Names	HIP12; KIAA0655; HIP1-related protein; HIP-12
UniProt Entry Name	HIP1R_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/hip1r-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19533>