

Rabbit C19orf10/MYDGF Polyclonal Antibody | anti-C19orf10/MYDGF antibody

Anti-C19orf10/MYDGF Antibody Picoband

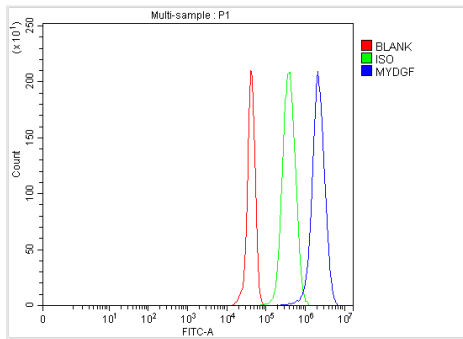
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19905	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

C19orf10/MYDGF; Polyclonal Antibody; Anti-C19orf10/MYDGF Antibody Picoband; Gap junction gamma-1 protein; Connexin-45; Cx45; Gap junction alpha-7 protein; GJC1; GJA7; anti-C19orf10/MYDGF antibody

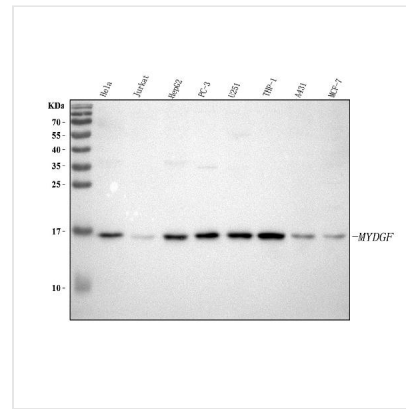
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitously expressed.
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-C19orf10/MYDGF antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human C19orf10/MYDGF recombinant protein (Position: V32-L173).
Subcellular Localization	Cell membrane, Multi-pass membrane protein, Cell junction, gap junction
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	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.
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 8. Flow Cytometry analysis of JK cells using anti-C19orf10/MYDGF antibody (AAA19905). Overlay histogram showing JK cells stained with AAA19905 (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-C19orf10/MYDGF Antibody (AAA19905, 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.



IHC (Immunohistochemistry)

Figure 7. IHC analysis of C19orf10/MYDGF using anti-C19orf10/MYDGF antibody (AAA19905). C19orf10/MYDGF was detected in a paraffin-embedded section of human bladder urothelial 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 2ug/ml rabbit anti-C19orf10/MYDGF Antibody (AAA19905) 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-C19orf10/MYDGF Antibody (AAA19905) 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-C19orf10/MYDGF Antibody (AAA19905) 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-C19orf10/MYDGF Antibody (AAA19905) 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-C19orf10/MYDGF Antibody (AAA19905) 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: rat NRK whole cell lysates, Lane 3: mouse ovary tissue lysates, Lane 4: mouse stomach tissue lysates, Lane 5: mouse liver tissue 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-C19orf10/MYDGF antigen affinity purified polyclonal antibody (#AAA19905) 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 (Lane 2: human Jurkat whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human PC-3 whole cell lysates, Lane 5: human U251 whole cell lysates, Lane 6: human THP-1 whole cell lysates, Lane 7: human A431 whole cell lysates, Lane 8: human MCF-7 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-C19orf10/MYDGF antigen affinity purified polyclonal antibody (#AAA19905) at 0.25ug/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 C19orf10/MYDGF at approximately 15 kDa. The expected band size for C19orf10/MYDGF is at 19 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-C19orf10/MYDGF 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-C19orf10/MYDGF antibody	Primary Antibodies; Cell Adhesion; Cytoskeleton/ECM; Signal Transduction
References	1. Tulin, E. E., Onoda, N., Nakata, Y., Maeda, M., Hasegawa, M., Nomura, H., Kitamura, T. SF20/IL-25, a novel bone marrow stroma-derived growth factor that binds to mouse thymic shared antigen-1 and supports lymphoid cell proliferation. J. Immun. 167: 6338-6347, 2001. Note: Retraction: J. Immun. 170: 1593 only, 2003. 2. Wang, P., Mariman, E., Keijer, J., Bouwman, F., Noben, J.-P., Robben, J., Renes, J. Profiling of the secreted proteins during 3T3-L1 adipocyte differentiation leads to the identification of novel adipokines. Cell. Molec. Life Sci. 61: 2405-2417, 2004. 3. Weiler, T., Du, Q., Krokhin, O., Ens, W., Standing, K., El-Gabalawy, H., Wilkins, J. A. The identification and characterization of a novel protein, c19orf10, in the synovium. Arthritis Res. Ther. 9: R30, 2007. Note: Electronic Article.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61221730
NCBI GeneID	56005
UniProt Accession #	Q969H8; O75256; O75272; Q9BTK7; Q9NP69; D6W628
Molecular Weight	173
NCBI Official Full Name	UPF0556 protein C19orf10
NCBI Official Synonym Full Names	chromosome 19 open reading frame 10
NCBI Official Symbol	C19orf10
NCBI Official Synonym Symbols	IL25; IL27; SF20; IL27w; R33729_1; EUROIMAGE1875335
NCBI Protein Information	UPF0556 protein C19orf10; interleukin 25; interleukin-25; interleukin 27 working designation; stromal cell-derived growth factor SF20
UniProt Protein Name	UPF0556 protein C19orf10
UniProt Gene Name	C19orf10
UniProt Synonym Gene Names	IL25; IL-25
UniProt Entry Name	CS010_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/c19orf10-mydgf-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19905>