

Datasheet for ABIN7601296
anti-MYDGF antibody (AA 32-173)



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Overview

Quantity:	100 µg
Target:	MYDGF (D17Wsu104e)
Binding Specificity:	AA 32-173
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYDGF antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-C19orf10/MYDGF Antibody Picoband®
Immunogen:	E.coli-derived human C19orf10/MYDGF recombinant protein (Position: V32-L173).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-C19orf10/MYDGF Antibody Picoband® (ABIN7601296). Tested in ELISA, IHC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	MYDGF (D17Wsu104e)
Alternative Name:	MYDGF (D17Wsu104e Products)
Background:	<p>Synonyms: Gap junction gamma-1 protein, Connexin-45, Cx45, Gap junction alpha-7 protein, GJC1, GJA7,</p> <p>Tissue Specificity: Ubiquitously expressed.</p> <p>Background: Human SF20 (Stromal cell-derived growth factor SF20, C19orf10, MYDGF1, Myeloid-derived growth factor1 also formerly known as IL25) is a 15 kDa (predicted) bone marrow-derived monocyte and paracrine-acting protein that promotes cardiac myocyte survival and adaptive angiogenesis for cardiac protection and/or repair after myocardial infarction. SF20 stimulates endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1 mediated signaling pathway. It is thought to inhibit cardiac myocyte apoptosis in a PI3K/AKT-dependent signaling pathway and is involved in endothelial cell proliferation and angiogenesis.</p>
Molecular Weight:	15 kDa
Gene ID:	56005
UniProt:	Q969H8

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>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.</p> <p>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., Krokhn, 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.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.