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# SF20 Rabbit mAb

Catalog # AP76306

## Product Information

| | |
|---|---|
| **Application** | WB, FC |
| **Primary Accession** | Q969H8 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 18795 |

## Additional Information

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|---|---|
| **Gene ID** | 56005 |
| **Other Names** | MYDGF |
| **Dilution** | WB~~1:500-1:1000 FC~~1:20-1:50 |
| **Format** | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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|---|---|
| **Name** | MYDGF ( HGNC:16948) |
| **Function** | 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 (MI). Stimulates endothelial cell proliferation through a MAPK1/3-, STAT3- and CCND1-mediated signaling pathway. Inhibits cardiac myocyte apoptosis in a PI3K/AKT-dependent signaling pathway (By similarity). Involved in endothelial cell proliferation and angiogenesis (PubMed:25581518). |
| **Cellular Location** | Secreted. Endoplasmic reticulum-Golgi intermediate compartment. Endoplasmic reticulum. Golgi apparatus. Note=The C-terminal RTEL motif may provide retention in the endoplasmic reticulum |
| **Tissue Location** | Expressed in eosinophils (at protein level) (PubMed:29954947). Expressed in bone marrow cells (PubMed:25581518) Expressed in synovial tissue. Found in synovial fluid of patients with arthropaties (PubMed:17362502). |

## Background

The protein encoded by this gene was previously thought to support proliferation of lymphoid cells and was considered an interleukin. However, this activity has not been reproducible and the function of this protein is currently unknown.

## Images




Western blot analysis of SF20 in Hela, Jurkat lysates using SF20 antibody.

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