

**SF20 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57617****Specification**

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**SF20 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">Q969H8</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18795

**SF20 Polyclonal Antibody - Additional Information****Gene ID** 56005**Other Names**

Myeloid-derived growth factor {ECO:0000303|PubMed:25581518, ECO:0000312|HGNC:HGNC:16948}, MYDGF, MYDGF ([HGNC:16948](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16948))

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SF20 Polyclonal Antibody - Protein Information****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](http://www.uniprot.org/citations/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).

**SF20 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SF20 Polyclonal Antibody - Images**