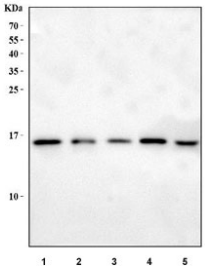
MYDGF Antibody / Myeloid-derived growth factor (RQ8382)

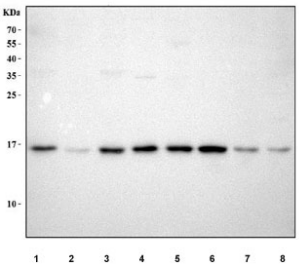
Catalog No.	Formulation	Size
RQ8382	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

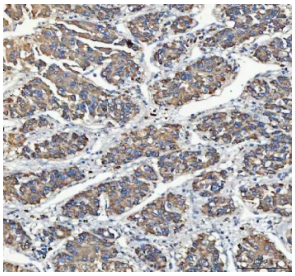
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q969H8
Localization	Cytoplasm, secreted
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This MYDGF antibody is available for research use only.



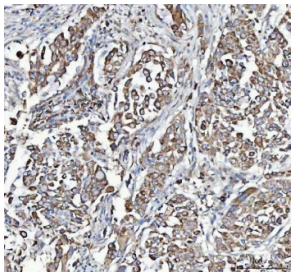
Western blot testing of 1) rat liver, 2) rat NRK, 3) mouse ovary, 4) mouse stomach and 5) mouse liver tissue lysate with MYDGF antibody. Predicted molecular weight ~19 kDa, commonly observed at 14-19 kDa.



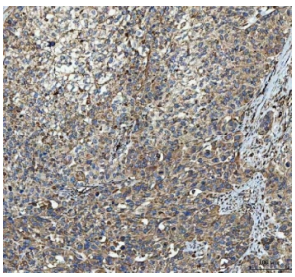
Western blot testing of human 1) HeLa, 2) Jurkat, 3) HepG2, 4) PC-3, 5) U-251, 6) ThP-1, 7) A431 and 8) MCF-7 cell lysate with MYDGF antibody. Predicted molecular weight ~19 kDa, commonly observed at 14-19 kDa.



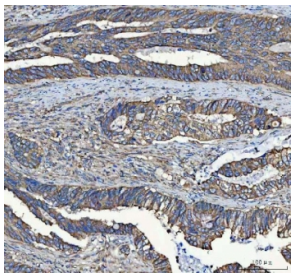
IHC staining of FFPE human liver cancer tissue with MYDGF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



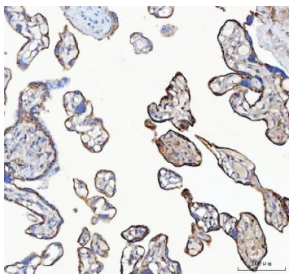
IHC staining of FFPE human lung cancer tissue with MYDGF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



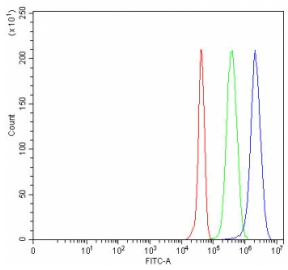
IHC staining of FFPE human bladder urothelial carcinoma tissue with MYDGF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human colorectal adenocarcinoma tissue with MYDGF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with MYDGF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Flow cytometry testing of fixed and permeabilized human JK cells with MYDGF antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MYDGF antibody.

Description

Human MYDGF, also called Myeloid-derived growth factor, Stromal cell-derived growth factor SF20 and C19orf10, and formerly known as IL25, is a 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. MYDGF 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.

Application Notes

Optimal dilution of the MYDGF antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (V32-L173) was used as the immunogen for the MYDGF antibody.

Storage

After reconstitution, the MYDGF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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