

anti-Human, Mouse HDGF Antibody | anti-HDGF antibody

Anti-HDGF [H3]

CATALOG #	REACTIVITY	APPLICATIONS
AAA72316	Human, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

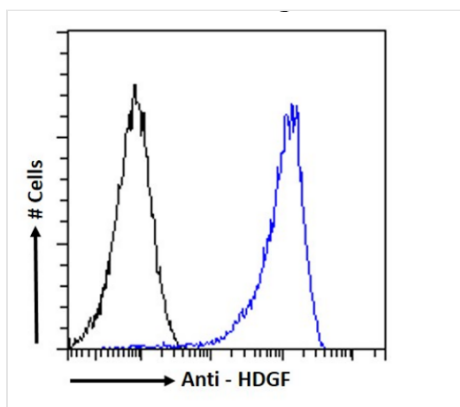
PRODUCT SYNONYMS

HDGF; Anti-HDGF [H3]; Hepatoma-derived growth factor; High mobility group protein 1-like 2; HMG-1L2; anti-HDGF antibody

PRODUCT SPECIFICATIONS

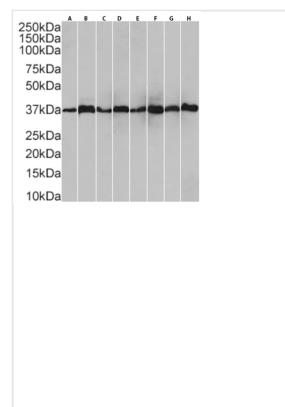
Reactivity	Human, Mouse
Isotype	Mouse IgG1 kappa
Clone Number	H3
Specificity	This antibody is specific for the HDGF protein.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HDGF antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of MCF7 cells with Anti-HDGF H3. Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells permeabilized with 0.15% Triton stained with the chimeric mouse IgG1 version of H3 (AAA72316) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72316, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (isotype control, black line) or the mouse IgG1 version of H3 (AAA72316, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



WB (Western Blot)

Western Blot using Anti-HDGF antibody H3. HeLa(A) (0.0001ug/ml), HeLa nuclear (B) (0.0001ug/ml), MCF7(C) (0.0001ug/ml), MCF7 nuclear (D) (0.0001ug/ml), HepG2(E) (0.0001ug/ml), HepG2 nuclear(F) (0.0001ug/ml), A549(G) (0.0001ug/ml) and A431(H) (0.0001ug/ml) cell lysate (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric mouse version of H3 (AAA72316) 0.001ug/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-HDGF antibody	The original antibody was raised by immunizing mice with full-length recombinant HDGF. This antibody binds a different epitope on HDGF than antibody C1. Describes the generation of anti-HDGF monoclonal antibodies and reports their anti-tumor activity in lung cancer xenograft models.
Product Categories/Family for anti-HDGF antibody	cancer ; oncology
References	Ren et al. Mol Cancer Ther. (2009); 8(5): 1106-1112.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758516
NCBI GeneID	3068
NCBI Accession #	NP_004485.1
NCBI GenBank Nucleotide #	NM_004494.2
UniProt Accession #	P51858 ; Q5SZ07 ; Q5SZ08 ; Q5SZ09 ; B3KU21 ; D3DVC9
Molecular Weight	26,788 Da
NCBI Official Full Name	hepatoma-derived growth factor isoform a
NCBI Official Synonym Full Names	hepatoma-derived growth factor
NCBI Official Symbol	HDGF
NCBI Official Synonym Symbols	HMG1L2
NCBI Protein Information	hepatoma-derived growth factor; HMG-1L2; high mobility group protein 1-like 2
UniProt Protein Name	Hepatoma-derived growth factor
UniProt Gene Name	HDGF
UniProt Synonym Gene Names	HMG1L2; HDGF; HMG-1L2
UniProt Entry Name	HDGF_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://stage.aaabiotech.com/human-mouse-antibody/hdgf/72316>