

Mouse HPGD Monoclonal Antibody | anti-HPGD antibody

HPGD antibody

CATALOG # AAA106257	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

HPGD; Monoclonal Antibody; HPGD antibody; Monoclonal HPGD; Anti-HPGD; Hydroxyprostaglandin dehydrogenase 15; PGDH1; SDR36C1; Prostaglandin dehydrogenase 1; 15 hydroxyprostaglandin dehydrogenase; anti-HPGD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2F5
Purity/Purification	HPGD antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	266
Applicable Applications for anti-HPGD antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	HPGD is a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and cranioosteoarthropathy.
Cross-Reactivity	Human
Immunogen	HPGD antibody was raised in mouse using a full length recombinant protein of human HPGD (NP_000851) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of HPGD protein in paraffin embedded Adenocarcinoma of Human endometrium tissue using HPGD antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant HPGD protein (Right) or empty vector (Left) detected with HPGD antibody

ADDITIONAL INFORMATION

Related Product Information for anti-HPGD antibody	Mouse monoclonal HPGD antibody
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Product Categories/Family for anti-
HPGD antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542939
NCBI GeneID	3248
NCBI Accession #	NP_000851
NCBI GenBank Nucleotide #	NM_000860.5
UniProt Accession #	P15428; O00749; Q06F08; Q12998; B4DTA4; B4DU74; B4DV57; D3DP43; E7EV11
Molecular Weight	21,526 Da
NCBI Official Full Name	15-hydroxyprostaglandin dehydrogenase
NCBI Official Synonym Full Names	hydroxyprostaglandin dehydrogenase 15-(NAD)
NCBI Official Symbol	HPGD
NCBI Official Synonym Symbols	PGDH; PGDH1; PHOAR1; 15-PGDH; SDR36C1
NCBI Protein Information	15-hydroxyprostaglandin dehydrogenase [NAD(+)]
UniProt Protein Name	15-hydroxyprostaglandin dehydrogenase [NAD(+)]
UniProt Gene Name	HPGD
UniProt Synonym Gene Names	PGDH1; SDR36C1; 15-PGDH
UniProt Entry Name	PGDH_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/monoclonal/hpgd-antibody-clone-2f5-western-blot-immunohistochemistry-flow-cytometry-elisa/106257>