

Mouse 4-Hydroxyphenylpyruvate Dioxygenase (HPD) Monoclonal Antibody | anti-HPD antibody

Monoclonal Antibody to 4-Hydroxyphenylpyruvate Dioxygenase (HPD)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA152791	Mouse	Human, Rat, Pig	Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

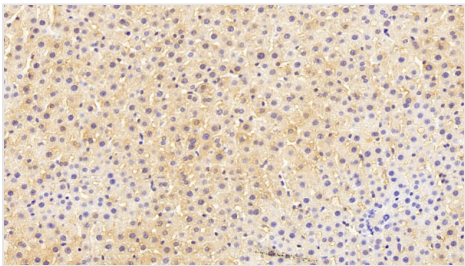
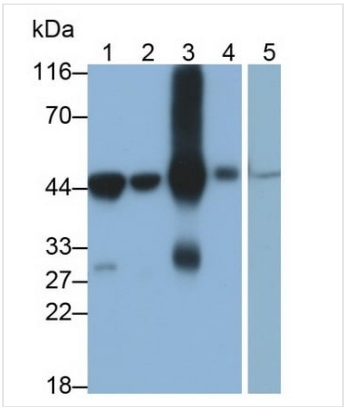
PRODUCT SYNONYMS

4-Hydroxyphenylpyruvate Dioxygenase (HPD); Monoclonal Antibody; Monoclonal Antibody to 4-Hydroxyphenylpyruvate Dioxygenase (HPD); 4-Hydroxyphenylpyruvate Dioxygenase; PPD; 4-HPPD; 4HPPD; GLOD3; Glyoxalase Domain Containing 3; 4-hydroxyphenylpyruvic acid oxidase; anti-HPD antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Pig
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	E7
Specificity	The antibody is a mouse monoclonal antibody raised against HPD. It has been selected for its ability to recognize HPD in immunohistochemical staining and western blotting.
Purity/Purification	Protein A + Protein G affinity chromatography
Form/Format	Liquid. PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Thr2~Met393
Applicable Applications for anti-HPD antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant 4-Hydroxyphenylpyruvate Dioxygenase (HPD)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



IHC (Immunohistochemistry)
DAB staining on IHC-P; Sample: Rat Liver Tissue; Primary Ab: 20ug/ml Mouse Anti-human HPD Antibody Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

WB (Western Blot)
Western Blot; Sample: Lane1: Rat Liver lysate; Lane2: Rat Kidney lysate; Lane3: Porcine Liver lysate; Lane4: Porcine Kidney lysate; Lane5: HepG2 cell lysate Primary Ab: 0.2ug/ml Mouse Anti-human HPD Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal AntibodyA544Mu

ADDITIONAL INFORMATION

Product Categories/Family for anti-HPD antibody	Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Enzyme & Kinase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	417144
NCBI GeneID	3242
UniProt Accession #	P32754; Q13234; A8K461; B3KQ63
Molecular Weight	393
NCBI Official Full Name	4-hydroxyphenylpyruvate dioxygenase
NCBI Official Synonym Full Names	4-hydroxyphenylpyruvate dioxygenase
NCBI Official Symbol	HPD
NCBI Official Synonym Symbols	PPD; 4HPPD; GLOD3; 4-HPPD; HPPDASE
NCBI Protein Information	4-hydroxyphenylpyruvate dioxygenase; glyoxalase domain containing 3; 4-hydroxyphenylpyruvic acid oxidase
UniProt Protein Name	4-hydroxyphenylpyruvate dioxygenase
UniProt Gene Name	HPD
UniProt Synonym Gene Names	PPD; 4HPPD; HPD; HPPDase
UniProt Entry Name	HPPD_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/4-hydroxyphenylpyruvate-dioxygenase-hpd-antibody-clone-e7-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/152791>