

Rabbit anti-Human, mouse HPD Polyclonal Antibody | anti-HPD antibody

HPD Antibody (N-term)

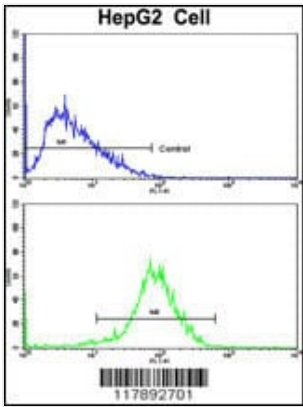
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290129	Rabbit	Human, mouse	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

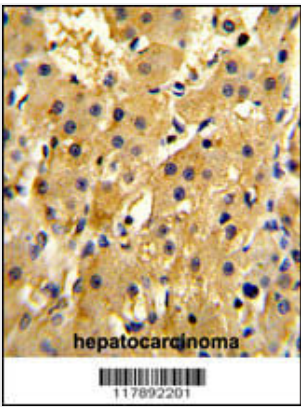
HPD; Polyclonal Antibody; HPD Antibody (N-term); 4-hydroxyphenylpyruvate dioxygenase; 4-hydroxyphenylpyruvic acid oxidase; 4HPPD; HPPDase; PPD; anti-HPD antibody

PRODUCT SPECIFICATIONS

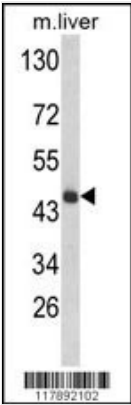
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HPD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 92-121 amino acids from the N-terminal region of human HPD.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	92-121
Sequence Length	354
Applicable Applications for anti-HPD antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



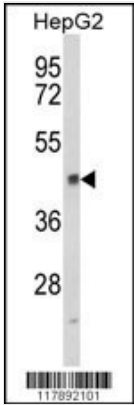
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using HPD Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HPD Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of HPD Antibody (N-term) in mouse liver tissue lysates (35ug/lane). HPD (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of HPD Antibody (N-term) in HepG2 cell line lysates (35ug/lane). HPD (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-HPD antibody	HPD is an enzyme in the catabolic pathway of tyrosine. This protein catalyzes the conversion of 4-hydroxyphenylpyruvate to homogentisate.
Product Categories/Family for anti-HPD antibody	Cell Biology; Metabolism; Signal transduction
References	Item,C.B., et.al., Mol. Genet. Metab. 91 (4), 379-383 (2007) Wistow,G., et.al., Mol. Vis. 8, 171-184 (2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	285002264
NCBI GeneID	3242
NCBI Accession #	NP_001165464.1; NP_002141.1
NCBI GenBank Nucleotide #	NM_001171993.1
UniProt Accession #	P32754; Q13234; A8K461; B3KQ63
Molecular Weight	44934

NCBI Official Full Name	4-hydroxyphenylpyruvate dioxygenase isoform 2
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
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://www.aaabiotech.com/polyclonal/hpd-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/290129>