

Rabbit HPD Polyclonal Antibody | anti-HPD antibody

Phospho-HPD (Thr382) Antibody

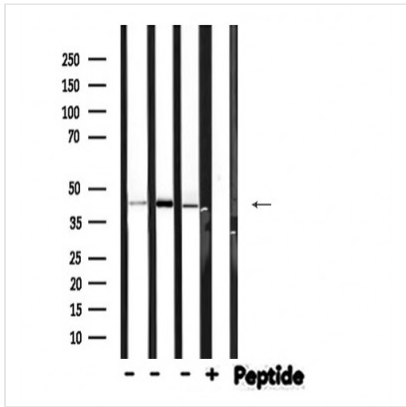
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329969	Rabbit	Human, Mouse, Rat Predicted Reactivity: Rabbit (100%)	ELISA, Western Blot

PRODUCT SYNONYMS

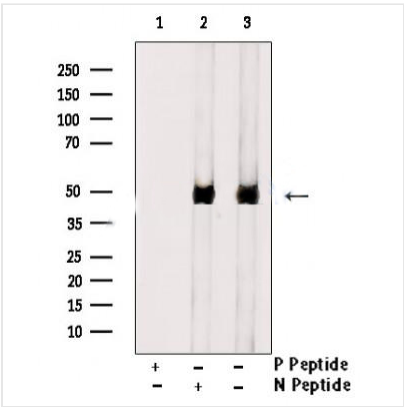
HPD; Polyclonal Antibody; Phospho-HPD (Thr382) Antibody; 4 HPPD; 4 hydroxyphenylpyruvate dioxygenase; 4 hydroxyphenylpyruvic acid oxidase; 4-hydroxyphenylpyruvate dioxygenase; 4-hydroxyphenylpyruvic acid oxidase; 4HPPD; GLOD3; glyoxalase domain containing 3; HPPD_HUMAN; HPPDase; PPD; anti-HPD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Rabbit (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-HPD (Thr382) Antibody detects endogenous levels of HPD only when phosphorylated at Thr382.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HPD antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HPD around the phosphorylation site of Thr382.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Homodimer.
Similarity	Belongs to the 4HPPD family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-HPD(Thr382) Antibody. Lane 1: Mouse brain lysates; Lane 2: Rat brain lysates; Lane 3: Rat muscle lysates; Lane 4: Rat muscle lysates treated with blocking peptide;



WB (Western Blot)
Western blot analysis of extracts from rat muscle tissue, using Phospho-HPD(Thr382) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HPD antibody	Key enzyme in the degradation of tyrosine.
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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.