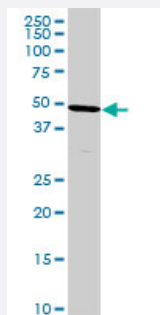


HPD monoclonal antibody (M07), clone 2F3

Catalog # H00003242-M07

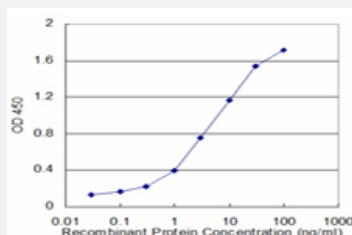
Size 100 ug

Applications



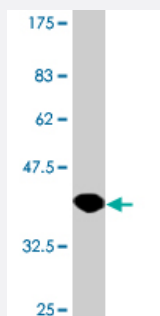
Western Blot (Cell lysate)

HPD monoclonal antibody (M07), clone 2F3. Western Blot analysis of HPD expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HPD is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant HPD.

Immunogen	HPD (NP_002141.1, 160 a.a. ~ 269 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YEAPAFMDPLLKLPKCSLEMIDHVGNGPDQEMVSASEWYLKNLQFHRFWSVDDTQVHTEYSS LRSIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIAL
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HPD monoclonal antibody (M07), clone 2F3. Western Blot analysis of HPD expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HPD is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HPD

Entrez GeneID	3242
GeneBank Accession#	NM_002150
Protein Accession#	NP_002141.1

Gene Name	HPD
Gene Alias	4-HPPD, 4HPPD, GLOD3, PPD
Gene Description	4-hydroxyphenylpyruvate dioxygenase
Omim ID	140350 276710 609695
Gene Ontology	Hyperlink
Other Designations	4-hydroxyphenylpyruvic acid oxidase glyoxalase domain containing 3

Pathway

- [Metabolic pathways](#)
- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)
- [Ubiquinone and other terpenoid-quinone biosynthesis](#)