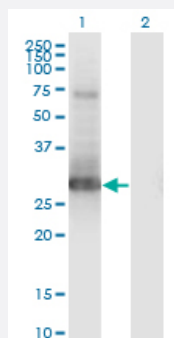


PRRX1 monoclonal antibody (M01), clone 1E2

Catalog # H00005396-M01

Size 100 ug

Applications

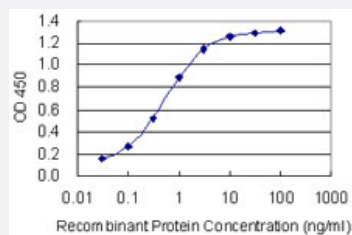


Western Blot (Transfected lysate)

Western Blot analysis of PRRX1 expression in transfected 293T cell line by PRRX1 monoclonal antibody (M01), clone 1E2.

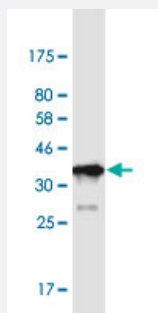
Lane 1: PRRX1 transfected lysate (Predicted MW: 24.4 kDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRRX1 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PRRX1.

Immunogen	PRRX1 (NP_073207, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTSSYGHVLERQPALGGRLDSPGNLDTLQAKKNFSVSHLLDLEEAGDMVAAQADENVGEAGRS LLESPGLTSGSDTPQQDNDQLNSEEKK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 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 (Transfected lysate)

Western Blot analysis of PRRX1 expression in transfected 293T cell line by PRRX1 monoclonal antibody (M01), clone 1E2.

Lane 1: PRRX1 transfected lysate (Predicted MW: 24.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRRX1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PRRX1

Entrez GeneID	5396
GeneBank Accession#	NM_022716
Protein Accession#	NP_073207
Gene Name	PRRX1
Gene Alias	PHOX1, PMX1, PRX1
Gene Description	paired related homeobox 1
Omim ID	167420
Gene Ontology	Hyperlink
Gene Summary	The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription co-activator, enhancing the DNA-binding activity of serum response factor, a protein required for the induction of genes by growth and differentiation factors. The protein regulates muscle creatine kinase, indicating a role in the establishment of diverse mesodermal muscle types. Alternative splicing yields two isoforms that differ in abundance and expression patterns. [provided by RefSeq]
Other Designations	OTTHUMP00000033166 OTTHUMP00000033167 homeobox protein PHOX1 paired mesoderm homeobox 1 paired mesoderm homeobox 1 paired mesoderm homeobox 1 isoform pmx-1b

Publication Reference

- [Downregulation of PRRX1 Confers Cancer Stem Cell-Like Properties and Predicts Poor Prognosis in Hepatocellular Carcinoma.](#)

Hirata H, Sugimachi K, Takahashi Y, Ueda M, Sakimura S, Uchi R, Kurashige J, Takano Y, Nanbara S, Komatsu H, Saito T, Shinden Y, Iguchi T, Eguchi H, Atsumi K, Sakamoto K, Doi T, Hirakawa M, Honda H, Mimori K.

Annals of Surgical Oncology 2015 Dec; 22 Suppl 3:S1402.

Application: WB-Tr, Human, HuH7 cells

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tooth Abnormalities](#)