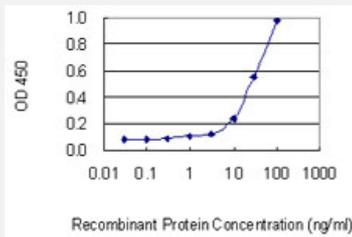


# PRPF4B monoclonal antibody (M01), clone 3E10

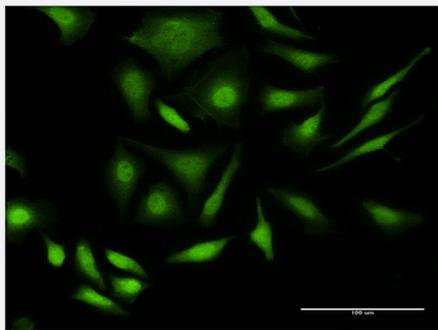
Catalog # H00008899-M01      Size 100 ug

## Applications



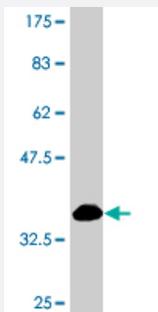
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRPF4B is 1 ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to PRPF4B on HeLa cell .  
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.62 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PRPF4B.

<b>Immunogen</b>	PRPF4B (NP_003904.2, 898 a.a. ~ 1005 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	LKLAMD LK GKMPNKMIRKGVFKDQHF DQNLNFM YIEVDKVT EREKVTVMSTINPTKDLLADLIGCQ RLPEDQRKKVHQLKDLLDQILMLDPAKRISINQALQHAFIQE
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (95); Rat (95)
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.62 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRPF4B is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PRPF4B on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — PRPF4B

**Entrez GeneID**

[8899](#)

**GeneBank Accession#**

[NM\\_003913](#)

<b>Protein Accession#</b>	<a href="#">NP_003904.2</a>
<b>Gene Name</b>	PRPF4B
<b>Gene Alias</b>	KIAA0536, PR4H, PRP4, PRP4H, PRP4K, dJ1013A10.1
<b>Gene Description</b>	PRP4 pre-mRNA processing factor 4 homolog B (yeast)
<b>Omim ID</b>	<a href="#">602338</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	Pre-mRNA splicing occurs in two sequential transesterification steps, and the protein encoded by this gene is thought to be involved in pre-mRNA splicing and in signal transduction. This protein belongs to a kinase family that includes serine/arginine-rich protein-specific kinases and cyclin-dependent kinases (CDKs). This protein is regarded as a CDK-like kinase (Clk) with homology to mitogen-activated protein kinases (MAPKs). [provided by RefSeq]
<b>Other Designations</b>	OTTHUMP00000039176 dJ1013A10.1 (PRP4 protein kinase homolog) protein-serine/threonine kinase serine/threonine-protein kinase PRP4 homolog serine/threonine-protein kinase PRP4K

## Publication Reference

- [Loss of cyclin-dependent kinase-like 2 predicts poor prognosis in gastric cancer, and its overexpression suppresses cells growth and invasion.](#)

Fang CL, Uen YH, Chen HK, Hseu YC, Lin CC, Hung ST, Sun DP, Lin KY.

Cancer Medicine 2018 May; [Epub].

Application: IHC-P, WB-Ce, WB-Ti, WB-Tr, Human, Gastric tissues, Hs738.St/Int, AGS, TMC-1, HGC-27, 23132/87, AGS-CDKL2, HGC-27-CDKL2 cells

## Disease

- [Kidney Failure](#)