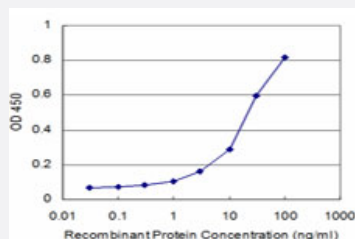


# PKP4 monoclonal antibody (M02), clone 1B11

Catalog # H00008502-M02

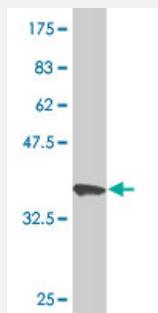
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PKP4 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant PKP4.

### Immunogen

PKP4 (NP\_001005476, 12 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

EGQPQTRQEAASTGPGMEPETTATILASVKEQELQFQRLTRELEVERQIVASQLERCRLGAESP  
SIASTSSTEKSFWRSTDVPNTGVSKPRVSDAVQ

### Host

Mouse

### Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PKP4 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PKP4

Entrez GeneID	<a href="#">8502</a>
GeneBank Accession#	<a href="#">NM_001005476</a>
Protein Accession#	<a href="#">NP_001005476</a>
Gene Name	PKP4
Gene Alias	FLJ31261, FLJ42243, p0071
Gene Description	plakophilin 4
Omim ID	<a href="#">604276</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Armادillo-like proteins are characterized by a series of armadillo repeats, first defined in the Drosophila 'armadillo' gene product, that are typically 42 to 45 amino acids in length. These proteins can be divided into subfamilies based on their number of repeats, their overall sequence similarity, and the dispersion of the repeats throughout their sequences. Members of the p120(ctn)/plakophilin subfamily of Armadillo-like proteins, including CTNND1, CTNND2, PKP1, PKP2, PKP4, and A R VCF. PKP4 may be a component of desmosomal plaque and other adhesion plaques and is thought to be involved in regulating junctional plaque organization and cadherin function. Multiple transcript variants have been found for this gene, but the full-length nature of only two of them have been described so far. These two variants encode distinct isoforms. [provided by RefSeq]

**Other Designations**

catenin 4

**Disease**

- [Carcinoma](#)
- [Esophageal Neoplasms](#)
- [Tobacco Use Disorder](#)