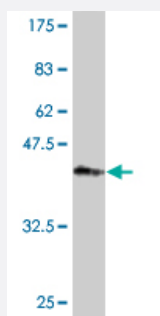


PKP4 monoclonal antibody (M01), clone 1B2

Catalog # H00008502-M01

Size 100 ug

Applications



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	EGQPQTRQEAASTGPGMEPETTATILASVKEQELQFQRLTRELEVERQVASQLERCRLGAESP SIASTSSTEKSFPWRSTDVPNTGVSKPRVSDAVQ
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](#)

- ELISA

Gene Info — PKP4

Entrez GeneID [8502](#)

GeneBank Accession# [NM_001005476](#)

Protein Accession# [NP_001005476](#)

Gene Name PKP4

Gene Alias FLJ31261, FLJ42243, p0071

Gene Description plakophilin 4

Omim ID [604276](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Armadillo-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 ARVCF. 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

Publication Reference

- [A molecular study of desmosomes identifies a desmoglein isoform switch in head and neck squamous cell carcinoma.](#)

Teh MT, Ken Parkinson E, Thurlow JK, Liu F, Fortune F, Wan H.

Journal of Oral Pathology & Medicine 2010 Oct; 40(1):67.

Application: IF, Human, Normal oral mucosa tissues from healthy volunteers

Disease

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