

PKP3 Monoclonal Antibody (23E3/4)

Product Details	
Size	100 µL
Species	Dog, Human, Mouse
Published Species	Mouse, Human
Expression System	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	23E3/4
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues F(570) T P Q S R R L R E L P L A A D A L T F(589) of human plakophilin-3.
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2283813

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:25-1:200	-
Immunohistochemistry (Frozen) (IHC (F))	1:25-1:200	-
Immunohistochemistry (Paraffin) (IHC (P))	1:25-1:200	-
Immunoprecipitation (IP)	Assay dependent	-
Western Blot (WB)	1:100-1:1000	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Miscellaneous PubMed (Misc)	-	2 Publications

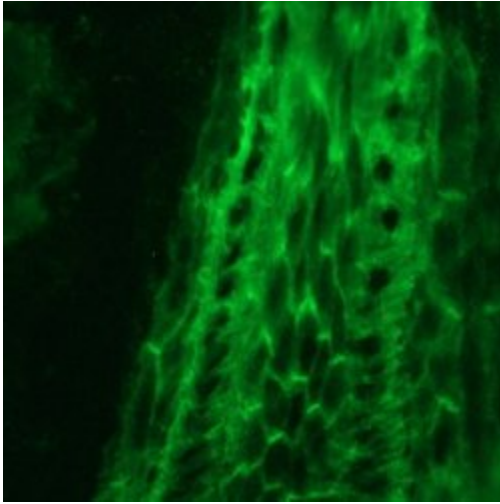
Product Specific Information

MA1-06511 detects plakophilin-3 in human, mouse, canine cells.

MA1-06511 has successfully been used in Western blotting, immunoprecipitation, immunocytochemistry and immunohistochemistry procedures. By Western blot it detects a ~87 kDa band representing Plakophilin-3.

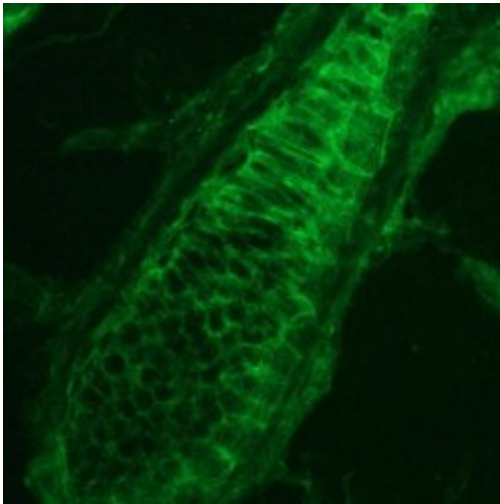
The MA1-06511 immunogen is a synthetic peptide corresponding to residues F(570) T P Q S R R L R E L P L A A D A L T F(589) of human plakophilin-3.

Product Images For PKP3 Monoclonal Antibody (23E3/4)



PKP3 Antibody (MA1-06511) in IHC

Immunohistochemistry analysis of PKP3 in hair root sheath of dog skin, using a PKP3 Monoclonal Antibody (23E3/4) (Product # MA1-06511) diluted 1:250.



PKP3 Antibody (MA1-06511) in IHC

Immunohistochemistry analysis of PKP3 in hair root sheath of dog skin, using a PKP3 Monoclonal Antibody (23E3/4) (Product # MA1-06511) diluted 1:250.

4 References

Miscellaneous PubMed (2)

PloS one Unimpaired skin carcinogenesis in Desmoglein 3 knockout mice. "MA1-06511 was used in immunocytochemistry to explore the role of desmosomal cadherins in carcinogenesis." Authors: Baron S, Hoang A, Vogel H, Attardi LD	Species Mouse Dilution 1:250 Year 2013
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Cellular and molecular life sciences : CMLS E-cadherin and plakoglobin recruit plakophilin3 to the cell border to initiate desmosome assembly. "MA1-06511 was used in immunocytochemistry and western blot to test if plakophilin3 is required for desmosome formation" Authors: Gosavi P, Kundu ST, Khapare N, Sehgal L, Karkhanis MS, Dalal SN	Species Human Dilution 1:25 Year 2011
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Western Blot (1)

PloS one Plakophilin3 loss leads to an increase in PRL3 levels promoting K8 dephosphorylation, which is required for transformation and metastasis. "MA1-06511 was used in western blot to investigate the effects of K8 filament stabilization" Authors: Khapare N, Kundu ST, Sehgal L, Sawant M, Priya R, Gosavi P, Gupta N, Alam H, Karkhanis M, Naik N, Vaidya MM, Dalal SN	Species Not Applicable Dilution 1:1000 Year 2012
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Immunohistochemistry (1)

FEBS letters The transcription factor ZEB1 (deltaEF1) represses Plakophilin 3 during human cancer progression. "MA1-06511 was used in ChIP assay, immunocytochemistry, immunohistochemistry, and western blot to show that PKP3 is transcriptionally repressed by ZEB1 in metastatic cancer cells" Authors: Aigner K, Descovich L, Mikula M, Sultan A, Dampier B, Bonn�e S, van Roy F, Mikulits W, Schreiber M, Brabletz T, Sommergruber W, Schweifer N, Wernitznig A, Beug H, Foisner R, Eger A	Species Not Applicable Dilution Not Cited Year 2007
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