Product datasheet

anti-Plakophilin 3 mouse monoclonal, 310.9.1, supernatant

Short overview

Cat. No.	651114
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	310.9.1
Immunogen	Recombinant protein (E. coli) of human plakophilin
Formulation	Contains 0.09% sodium azide
UniprotID	Q08DQ0 (Bovine), Q9Y446 (Human), Q9QY23 (Mouse)
Synomym	Plakophilin-3, PKP3
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC, WB
Reactivity	Human, Mouse

Applications

Immunohistochemistry (IHC) - frozen	Ready-to-use
Western Blot (WB)	1:1,000

Background

Plakophilin 3 is seen in most desmosomes and partly dispersed in cytoplasm under various fixation conditions (FA, MeAc long, MeAc short):

Positive tissues and culture cells:

- Stratified squamous epithelia: palmar, epidermis, scalp skin

- Stratified epithelia: tongue, vagina, esophagus

- Transitional epithelia: bladder

- Non-stratified epithelia: colon, duodenum, pancreas, several glands

- Non-epithelial: reticulum cells of lymph node follicle

- HaCaT

- MCF7, HeLa, HAT-29, CaCo 2, Caski, BMGE, MDCK and other

Negative tissues and cell lines:

- Liver, heart, skeletal muscle, endothelia (vessels)

- PLC, RD, SV80, HL60, Raji, Jok1, Glioma, K562, 3T3L1, A6, PtK2

Product images

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References

Publication	Species	Application
South, A. P. et al. Lack of plakophilin 1 increases keratinocyte migration and reduces desmosome stability. J. Cell Sci. 116, 3303â€“3314 (2003).	human	WB