Product datasheet

anti-Plakoglobin (N-terminus) guinea pig polyclonal, serum

Short overview

Cat. No.	GP57
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic N-terminus of human plakoglobin (aa5 aa21), identical to -catenin
Formulation	Contains 0.09% sodium azide and 0.5% BSA
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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	ICC/IF, IHC, WB
Reactivity	Dog, Human, Mouse

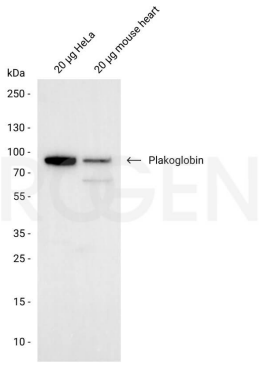
Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:100
Immunohistochemistry (IHC) - paraffin	1:50 (microwave treatment recommended)
Western Blot (WB)	1:500-1:2,000

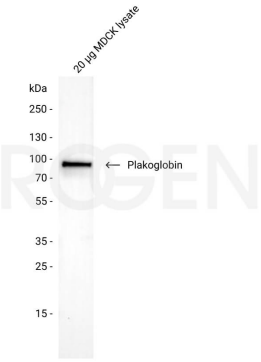
Background

Specific detection of Mr 83 000 Plakoglobin, "band 5" polypeptide of intercellular adhering junctions (also described as gamma-catenin). Excellent marker for all forms of intercellular adhering junctions, such as: desmosomes of epithelial and myocardial cells (incl. cultured cells); zonulae and fasciae adherentes of epithelia, endothelia of blood vessels and myocardial cells; adherens-type junctions (e.g. lens tissue, pigmented retinal cells, Sertoli cells of testis). Especially useful for studying plakoglobin mutations in cardiomyopathies (e.g. ARVC).

Product images



Western blot analysis of human HeLa cell lysate and mouse heart lysate with anti-Plakoglobin antibody. Western blot analysis was performed on 20 µg either HeLa or mouse heart lysate. HeLa cells were lysed in RIPA buffer. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-Plakoglobin (N-terminus) guinea pig polyclonal (Cat. No. GP57) was diluted in blocking buffer (1:2,000) and incubated for 1 h at RT. The secondary antibody goat anti-guinea pig HRP (Cat. No. 90001) was also diluted in blocking buffer (1:2,500) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate



Western blot analysis of canine MDCK cell lysate with anti-Plakoglobin antibody. Western blot analysis was performed on 20 µg MDCK lysate. Cells were lysed in RIPA buffer. The PVDF membrane was blocked with 5% dry milk in PBST for 1 h at RT. The primary antibody anti-Plakoglobin (N-terminus) guinea pig polyclonal (Cat. No. GP57) was diluted in blocking buffer (1:500) and incubated for 1 h at RT. The secondary antibody goat anti-guinea pig HRP (Cat. No. 90001) was also diluted in blocking buffer (1:2,500) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate