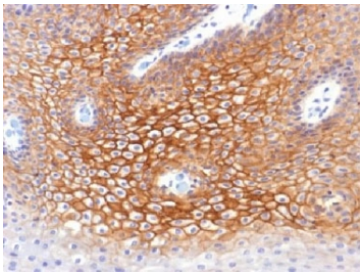
Plakoglobin Antibody CTNG/1483 / Mouse Monoclonal [clone CTNG/1483] (V3235)

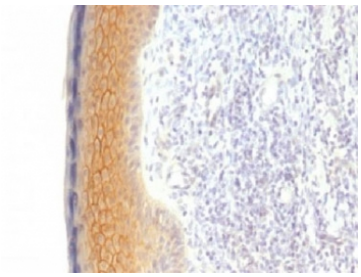
Catalog No.	Formulation	Size
V3235-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3235-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3235SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTNG/1483
Purity	Protein G affinity chromatography
UniProt	P14923
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Immunohistochemistry (FFPE): 0.1-0.2ug/ml for 30 min at RT
Limitations	This Plakoglobin Antibody CTNG/1483 is available for research use only.



Plakoglobin Antibody CTNG/1483 Immunohistochemistry. IHC testing of FFPE human cervical carcinoma with Plakoglobin antibody (clone CTNG/1483). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min.



IHC testing of FFPE human skin with Plakoglobin antibody (clone CTNG/1483). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min.

Description

Plakoglobin, also known as junction plakoglobin or gamma-catenin, is a protein that in humans is encoded by the JUP gene. It is a member of the catenin protein family and homologous to ÃŽÂ²-catenin. It is a cytoplasmic component of desmosomes and adherens junctions structures located within intercalated discs of cardiac muscle that function to anchor sarcomeres and join adjacent cells in cardiac muscle. Mutations in Plakoglobin are associated with arrhythmogenic right ventricular dysplasia and Pemphigus vulgaris.

Plakoglobin is a major cytoplasmic component of both desmosomes and adherens junctions, and is the only known constituent common to submembranous plaques in both of these structures, which are located at the intercalated disc (ICD) of cardiomyocytes. It links cadherins to the actin cytoskeleton. Plakoglobin binds to conserved regions of desmoglein and desmocollin at intracellular catenin-binding sites to assemble desmosomes. [Wiki]

For a monoclonal targeting this junctional protein, see our Plakoglobin Antibody 15F11 / Gamma Catenin Monoclonal Antibody.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Plakoglobin Antibody CTNG/1483 may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human protein was used as the immunogen for the Plakoglobin Antibody CTNG/1483.

Storage

Store the Plakoglobin Antibody CTNG/1483 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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