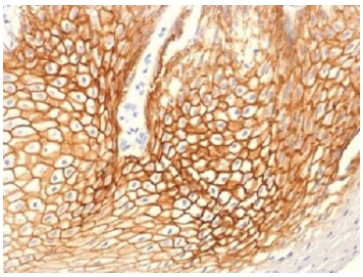
Gamma Catenin Antibody CTNG/1664 / Plakoglobin Mouse Monoclonal Antibody [clone CTNG/1664] (V3236)

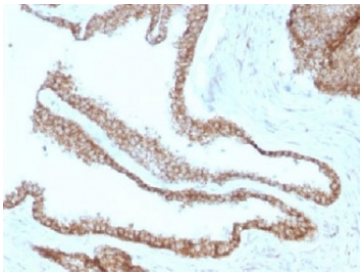
Catalog No.	Formulation	Size
V3236-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3236-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3236SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

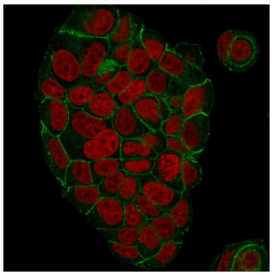
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CTNG/1664
Purity	Protein G affinity chromatography
UniProt	P14923
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Gamma Catenin Antibody CTNG/1664 / Plakoglobin Mouse Monoclonal Antibody is available for research use only.



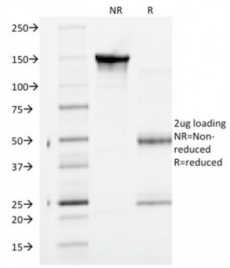
Gamma Catenin Antibody CTNG/1664 Immunohistochemistry. IHC testing of FFPE human cervical carcinoma with Gamma Catenin antibody (clone CTNG/1483). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min.



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



Immunofluorescent staining of paraformaldehyde-fixed MCF-7 cells with Gamma Catenin Antibody (clone CTNG/1664) followed by goat anti-Mouse IgG-CF488 (Green). Nuclei are labeled with Reddot (Red).



SDS-PAGE Analysis of Purified Gamma Catenin Antibody (clone CTNG/1664). Confirmation of Purity and Integrity of Antibody.

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 beta-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 Gamma Catenin are associated with arrhythmogenic right ventricular dysplasia and Pemphigus vulgaris.

Gamma Catenin 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. Gamma Catenin 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 Gamma Catenin Antibody CTNG/1664 / Plakoglobin Mouse Monoclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human protein was used as the immunogen for the Gamma Catenin Antibody CTNG/1664.

Storage

Store the Gamma Catenin Antibody CTNG/1664 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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