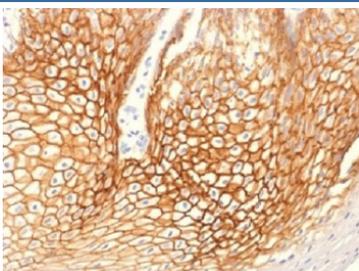


Gamma Catenin Antibody / Plakoglobin [clone CTNG/1664] (V3236)

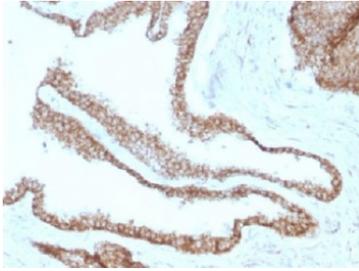
| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V3236-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3236-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3236SAF-100UG | 1 mg/ml in 1X 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 is available for research use only. |



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.

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]

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Gamma Catenin 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.

Storage

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