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JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745)

Rabbit Polyclonal Antibody
Catalog # ALS14341

Specification

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Product Information

Application	**WB, IHC**
Primary Accession	P14923
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**82kDa KDa**

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Additional Information

Gene ID 3728

Other Names
Junction plakoglobin, Catenin gamma, Desmoplakin III, Desmoplakin-3, JUP, CTNNG, DP3

Target/Specificity
Catenin-gamma Antibody detects endogenous levels of total Catenin-gamma protein.

Reconstitution & Storage
Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions
JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) is for research use only and not for use in diagnostic or therapeutic procedures.

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Protein Information

Name JUP (HGNC:6207)

Function
Common junctional plaque protein. The membrane-associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E- cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton (By similarity).

Cellular Location
Cell junction, adherens junction. Cell junction, desmosome. Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein. Note=Cytoplasmic in a soluble and membrane-associated form

Tissue Location

Expressed in the heart (at protein level).

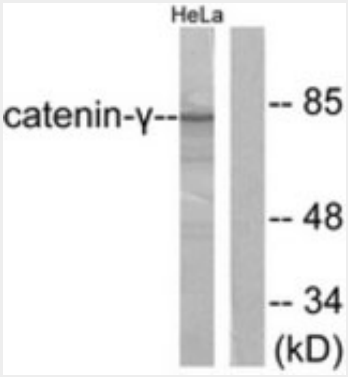
Volume
50 µl

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Protocols

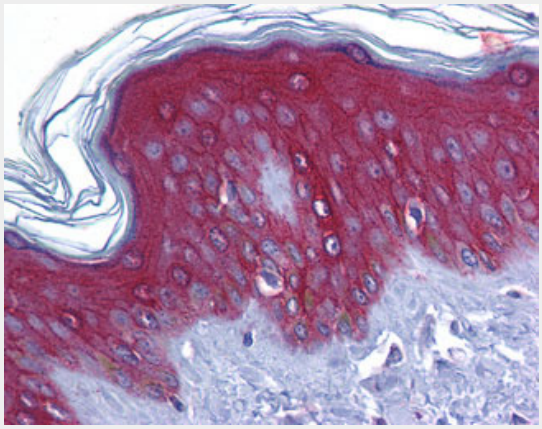
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Images



Western blot of extracts from HeLa cells, using Catenin-gamma Antibody.



Anti-Gamma Catenin antibody IHC of human skin.

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - Background

Common junctional plaque protein. The membrane- associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes

and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton (By similarity).

JUP/CTNNG/Junction Plakoglobin Antibody (aa696-745) - References

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Whittock N.V.,et al.Exp. Dermatol. 9:323-326(2000).
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