

ARG58014 anti-gamma Catenin antibody [15F11]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [15F11] recognizes gamma Catenin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	15F11
Isotype	IgG1, kappa
Target Name	gamma Catenin
Species	Chicken
Immunogen	Recombinant full length of Chicken gamma Catenin.
Conjugation	Un-conjugated
Alternate Names	PKGB; DP3; CTNNG; Desmoplakin-3; DPIII; PDGB; ARVD12; Catenin gamma; Junction plakoglobin; Desmoplakin III

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 µg/10 ⁶ cells
	ICC/IF	2 - 5 µg/ml
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

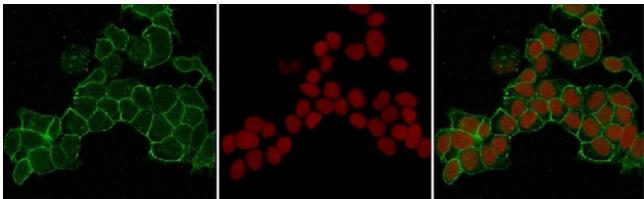
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

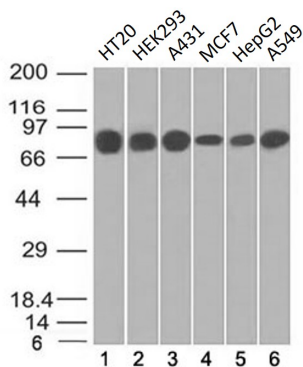
Gene Symbol	JUP
Gene Full Name	junction plakoglobin
Background	This gene encodes a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however, not all transcripts have been fully described. [provided by RefSeq, Jul 2008]
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). [UniProt]
Calculated Mw	82 kDa
PTM	May be phosphorylated by FER. [UniProt]

Images



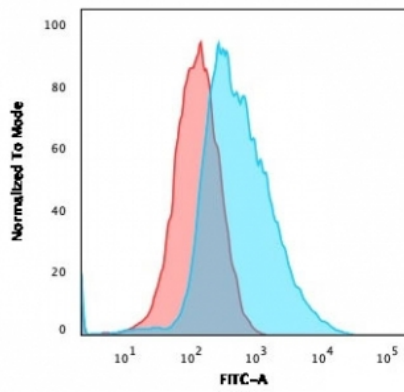
ARG58014 anti-gamma Catenin antibody [15F11] ICC/IF image

Immunofluorescence: HeLa cells stained with ARG58014 anti-gamma Catenin antibody [15F11] (green). Reddot (red) for nuclear staining.



ARG58014 anti-gamma Catenin antibody [15F11] WB image

Western blot: 1) HT20, 2) HEK293, 3) A431, 4) MCF7, 5) HepG2 and 6) A549 cell lysates stained with ARG58014 anti-gamma Catenin antibody [15F11].



ARG58014 anti-gamma Catenin antibody [15F11] FACS image

Flow Cytometry: PFA-fixed MCF7 cells stained with ARG58014 anti-gamma Catenin antibody [15F11] (blue); Isotype control (red).