Catenin-γ Rabbit pAb

CatalogNo: YT0678

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 82kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:20000
Not yet tested in other applications.

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Catenin-gamma. AA range:696-745
Specificity	Catenin-γ Polyclonal Antibody detects endogenous levels of Catenin-γ protein.

Target Information

Gene name JUP

Protein Name Junction plakoglobin

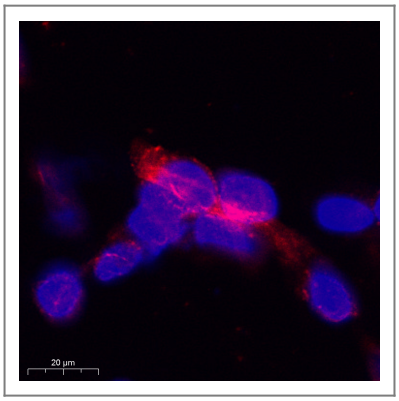
Organism	Gene ID	UniProt ID
Human	3728;	P14923;
Mouse	16480;	Q02257;
Rat	81679;	Q6P0K8;

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

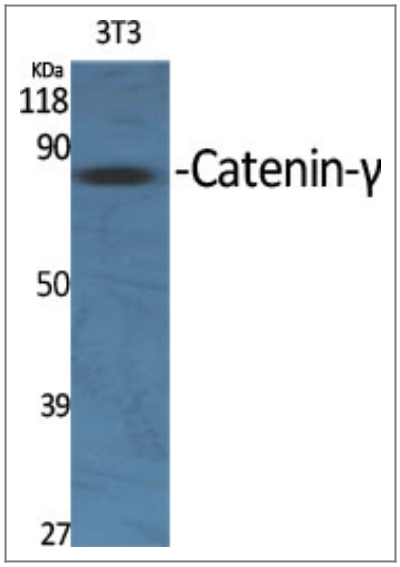
Tissue specificity Cervix carcinoma,Epidermal carcinoma,Epithelium,Leukocyte,Lung,Lung carcinoma,Place

Function Disease:Defects in JUP are the cause of familial arrhythmogenic right ventricular dysplasia type 12 (ARVD12) [MIM:611528]; also called arrhythmogenic right ventricular cardiomyopathy type 12 (ARVC12). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium of the right ventricle, electrical instability, and sudden death. It is clinically defined by electrocardiographic and angiographic criteria; pathologic findings, replacement of ventricular myocardium with fatty and fibrous elements, preferentially involve the right ventricular free wall.,Disease:Defects in JUP are the cause of Naxos disease (NXD) [MIM:601214]. NXD is an autosomal recessive disorder combining diffuse non-epidermolytic palmoplantar keratoderma with arrhythmogenic right ventricular dysplasia/cardiomyopathy and woolly hair.,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.,sequence Caution:Translation N-terminally shortened.,similarity:Belongs to the beta-catenin family.,similarity:Contains 9 ARM repeats.,subcellular location:Cytoplasmic in a soluble and membrane-associated form.,subunit:Homodimer. Interacts with MUC1.,

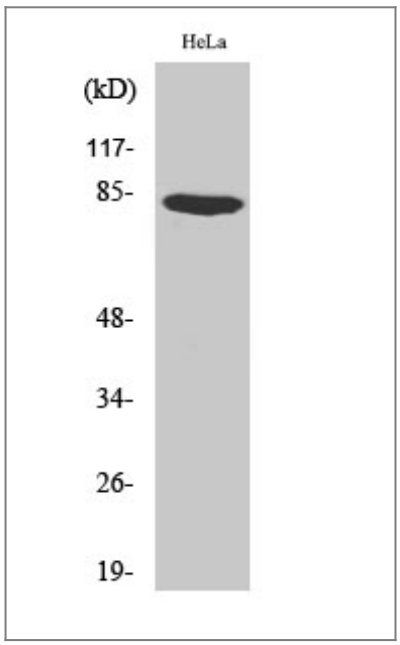
Validation Data



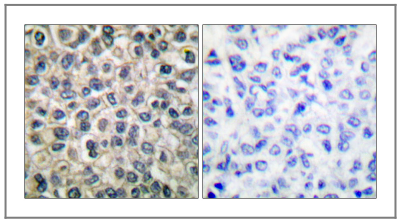
Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).



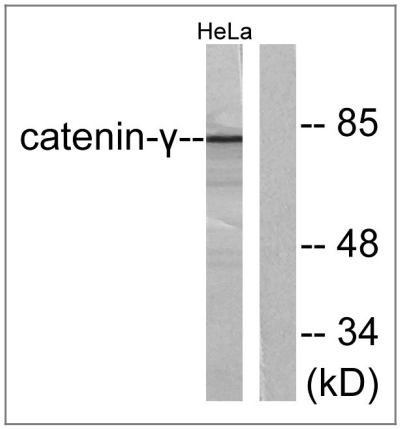
Western Blot analysis of various cells using Catenin-γ Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HeLa cells using Catenin-γ Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Catenin-gamma Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using Catenin-gamma Antibody. The lane on the right is blocked with the synthesized peptide.

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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