Best Tools for immunology Research

Catenin-γ Polyclonal Antibody

Catalog No :	YT0678
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Catenin-γ
Fields :	>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia;>>Gastric cancer;>>Arrhythmogenic right ventricular cardiomyopathy
Gene Name :	JUP
Protein Name :	Junction plakoglobin
Human Gene Id :	3728
Human Swiss Prot No :	P14923
Mouse Gene Id :	16480
Mouse Swiss Prot No :	Q02257
Rat Gene Id :	81679
Rat Swiss Prot No :	Q6P0K8
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.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not

yet tested in other applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 82kD

Cell Pathway : Pathways in cancer;Acute myeloid leukemia;Arrhythmogenic right ventricular cardiomyopathy (ARVC);

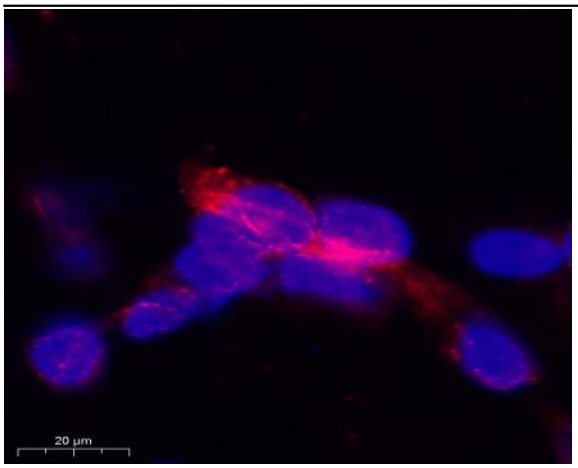
Background : This gene encodes a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins and is a member of the catenin family since it contains 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 : 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-assoc

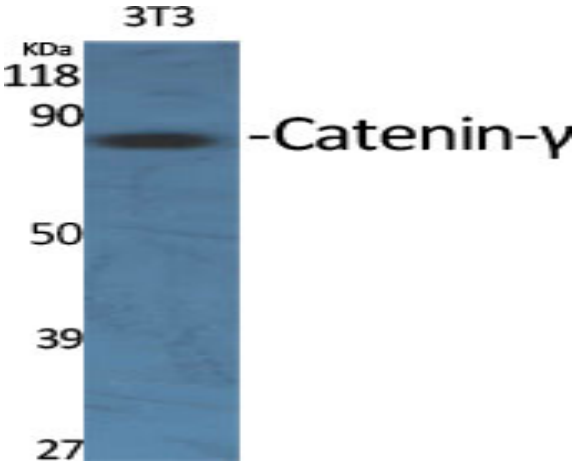
Subcellular Location : Cell junction, adherens junction . Cell junction, desmosome . Cytoplasm, cytoskeleton . Membrane ; Peripheral membrane protein . Cytoplasmic in a soluble and membrane-associated form.

Expression : Cervix carcinoma,Epidermal carcinoma,Epithelium,Leukocyte,Lung,Lung carcinoma,Place

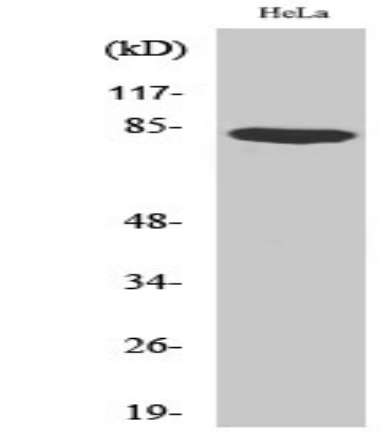
Products Images



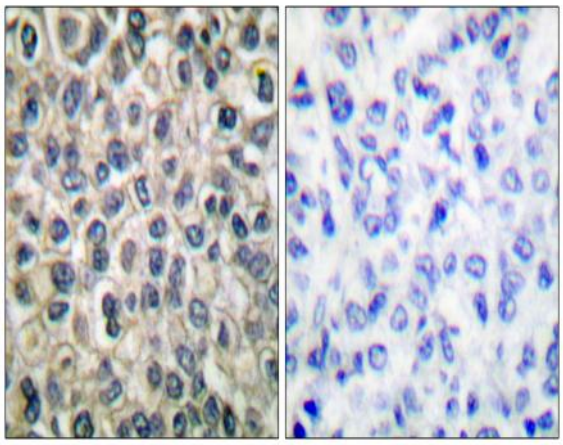
Immunofluorescence analysis of Siha cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).



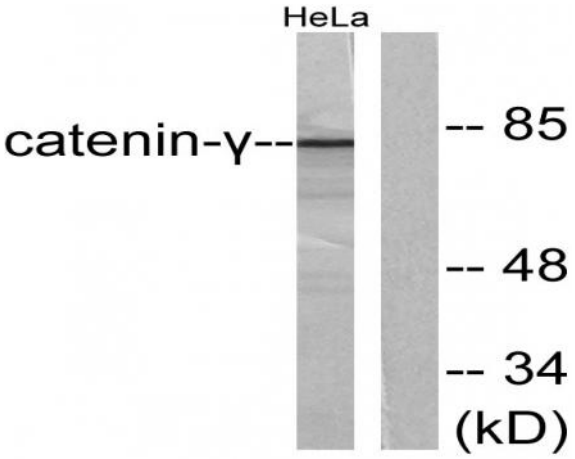
Western Blot analysis of various cells using Catenin-γ Polyclonal Antibody diluted at 1:2000



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.