

CoraLite®594-conjugated Beta Catenin Monoclonal antibody

Catalog Number: **CL594-66379**

Basic Information

Catalog Number:

CL594-66379

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM_001904

GeneID (NCBI):

1499

ENSEMBL Gene ID:

ENSG00000168036

UNIPROT ID:

P35222

Full Name:catenin (cadherin-associated protein),
beta 1, 88kDa**Calculated MW:**

781 aa, 86 kDa

Observed MW:

92 kDa

Purification Method:

Protein G purification

CloneNo.:

1B8A1

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin was originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α-catenin and the actin cytoskeleton. Besides its essential role in the AJs, β-catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/β-catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β-catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222)

Storage

Storage:

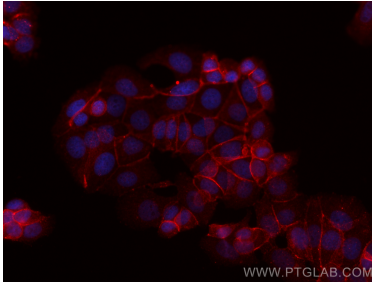
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite®594 Beta Catenin antibody (CL594-66379, Clone: 1B8A1) at dilution of 1:200.