

Anti-beta Catenin Antibody (BL-18517)

Product information

Product name	Anti-beta Catenin Antibody (BL-18517)
Immunogen	Synthetic peptide within Human beta Catenin aa 1-100 (N terminal).
Host	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC-P,ICC/IF,IHC-Fr,IP
Application notes	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting 1:50-1:200 dilutions for most fluorescent applications.
Clonality	Polyclonal
Isotype	IgG
Purification	Protein G purified
Conjugate	N/A

Applications

WB	1/1000. Detects a band of approximately 92kDa.
ICC/IF	1/250
IHC-Fr	1/200
IHC-P	1/500
IP	1/100. Detects a band of approximately 92kDa.

Properties

Formulation	Liquid solution
Storage buffer	Liquid in PBS, pH 7.4, containing 0.02% sodium azide as preservative, 1% BSA as stabilizer and 50% Glycerol.
Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze/thaw cycle.
Shipped at 4°C.	Shipped at 4°C.

Background

β -Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β -Catenin is a 92-kDa protein, 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)