

beta Catenin Polyclonal Antibody

Catalog No: #27575



Package Size: #27575-1 50ul #27575-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

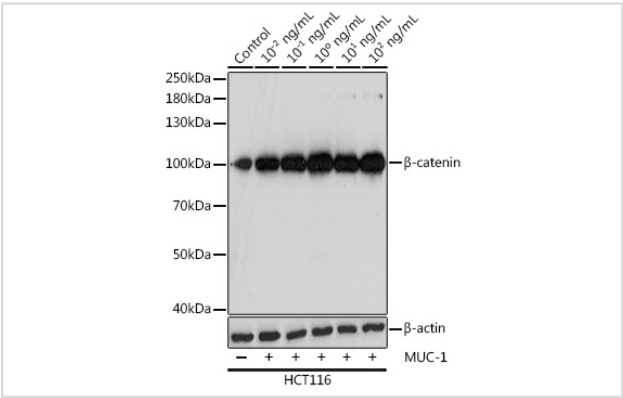
Description

Product Name	beta Catenin Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human beta Catenin
Other Names	CTNNB1; CTNNB; MRD19; armadillo; catenin beta-1
Accession No.	Swiss-Prot#:P35222NCBI Gene ID:1499
Uniprot	P35222
GeneID	1499;
Calculated MW	100kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

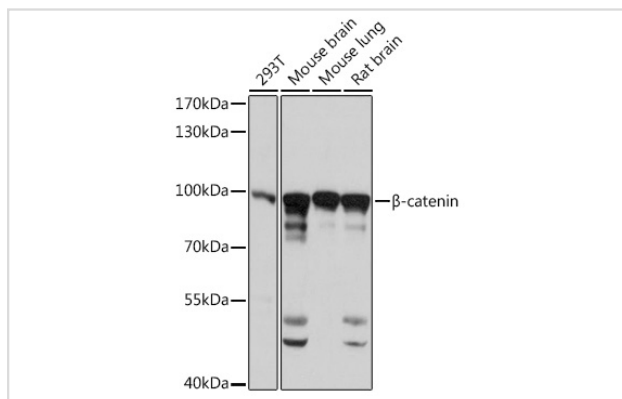
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:100IP 1:20 - 1:50

Images



Western blot analysis of extracts of HCT116 cells, using  $\beta$ -catenin at 1:1000 dilution.HCT116 cells treated with different concentrations of MUC-1.



Western blot analysis of extracts of various cell lines, using β-catenin at 1:3000 dilution.

## Background

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only