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Anti-β-Catenin Rabbit mAb [34A86]

Catalog No.: A52040

Basic Information

Catalog No. (Cat.No.)	A52040
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	β-Catenin,ARMADILLO,ARM,CATNB,BCL9,ARM9

Product Information

Target	β-Catenin
Molecular Weight(Calculated)	84 kDa
Molecular Weight(Observed)	96 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	34A86
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:1000-1:5000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Beta-catenin
Gene Name	*CTNNB1*
Domain	NA
Background	β-Catenin is a core member of the catenin superfamily encoded by the CTNNB1 gene and serves as a central hub of the canonical Wnt signaling pathway. It possesses dual structural and signaling functions. Membrane-localized β-catenin participates in adherens junction assembly to maintain cell polarity and tissue homeostasis, while cytoplasmic and nuclear β-catenin acts as a key signaling transducer to regulate downstream target gene expression, governing fundamental biological processes including cell proliferation, differentiation, apoptosis, migration and embryonic development. Dysregulated β-catenin homeostasis and aberrant nuclear accumulation lead to constitutive Wnt pathway activation, driving malignant tumor proliferation, invasion, metastasis and fibrosis progression. It is a critical research target for tumors, metabolic disorders and developmental abnormalities.