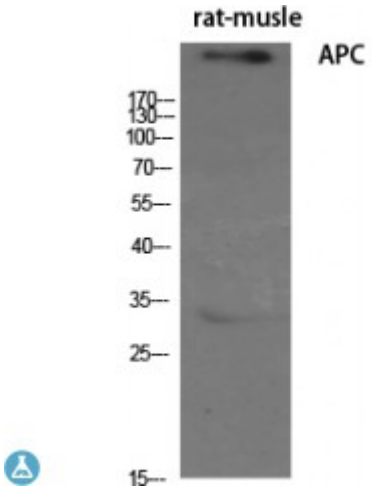
Anti-APC antibody



Description	Rabbit polyclonal to APC.

Model	STJ91623
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human APC
Immunogen Region	2770-2850 aa, C-terminal
Gene ID	324
Gene Symbol	APC
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:40000
Specificity	APC Polyclonal Antibody detects endogenous levels of APC protein.
Tissue Specificity	Expressed in a variety of tissues.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Adenomatous polyposis coli protein Protein APC Deleted in polyposis 2.5
Molecular Weight	310 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:583OMIM:114550
Alternative Names	Adenomatous polyposis coli protein Protein APC Deleted in polyposis 2.5
Function	Tumor suppressor. Promotes rapid degradation of CTNNB1 and participates in Wnt signaling as a negative regulator. APC activity is correlated with its phosphorylation state. Activates the GEF activity of SPATA13 and ARHGEF4. Plays a role in hepatocyte growth factor (HGF)-induced cell migration. Required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Acts as a mediator of ERBB2-dependent stabilization of microtubules at the cell cortex. It is required for the localization of MACF1 to the cell membrane and this localization of MACF1 is critical for its function in microtubule stabilization.
Sequence and Domain Family	The microtubule tip localization signal (MtLS) motif; mediates interaction with MAPRE1 and targeting to the growing microtubule plus ends.
Cellular Localization	Cell junction, adherens junction Cytoplasm, cytoskeleton Cell projection, lamellipodium Cell projection, ruffle membrane Cytoplasm Cell membrane. Associated with the microtubule network at the growing distal tip of microtubules . Accumulates in the lamellipodium and ruffle membrane in response to hepatocyte growth factor (HGF) treatment . The MEMO1-RHOA-DIAPH1 signaling pathway controls localization of the phosphorylated form to the cell membrane .
Post-translational Modifications	Phosphorylated by GSK3B.; Ubiquitinated, leading to its degradation by the proteasome. Ubiquitination is facilitated by Axin. Deubiquitinated by ZRANB1/TRABID.