Product datasheet Anti-APC Antibody (Clone#FAD-1) Catalog Number: BM4480

antibody and ELISA experts BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information	
Product Name	Anti-APC Antibody (Clone#FAD-1)
Gene Name	APC
Source	Rabbit
Clonality	Monoclonal
Isotype	lgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human APC 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.
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	160,312 kDa
Dilution Ratios	Western blot (WB):1:500-2000Immunohistochemistry (IHC):1:50-200Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200ImmunoPrecipitation (IP):1:20

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product. [provided by RefSeq, Jul 2008]

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Reference

Anti-APC Antibody (Clone#FAD-1)被引用在1文献中。

Selected Validation Data



Western blot analysis of anti-APC antibody (BM4480). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates,

Lane 2: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-APC antigen affinity purified monoclonal antibody (BM4480) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for APC at approximately 160 kDa. The expected band size for APC is at 312 kDa.



IHC analysis of APC using anti-APC antibody (BM4480) .

APC was detected in a paraffin-embedded section of human colon tissue. The tissue section was incubated with rabbit anti-APC Antibody (BM4480) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.