

36-2502: Anti-APC / Adenomatous Polyposis Coli / FAP (Tumor Suppressor) Monoclonal Antibody (Clone: ALi 12-28)

Clonality :	Monoclonal
Clone Name :	ALi 12-28
Application :	ELISA, FACS, IF, WB
Reactivity :	Human
Gene :	APC
Gene ID :	324
Uniprot ID :	P25054
Alternative Name :	Adenomatous Polyposis Coli; CC1; Deleted in polyposis 2.5 (DP2.5); DP2; DP3; FAP; FPC; GS; Protein APC
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment of human APC protein (around aa 1-433)

Description

The adenomatous polyposis syndromes, familial adenomatous polyposis (FAP) and Gardner's syndrome (GS), are characterized by numerous adenomatous polyps throughout the entire colon. These polyps invariably progress to colon cancer in addition to other extracolonic manifestations. The cloning of the APC gene revealed a ubiquitously expressed protein, 2,843 amino acids in length, which is frequently mutated in patients suffering from FAP and GS. APC has been found to be associated with structural components of intracellular junctions. Functions as a tumor suppressor, promoting rapid degradation of CTNNB1 and is a negative regulator of Wnt signaling. Also plays a role in 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

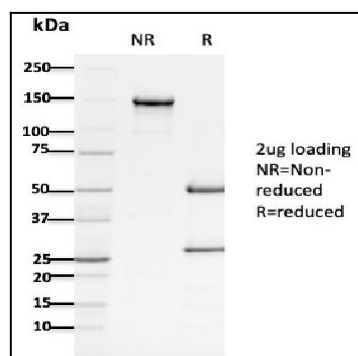


Fig. 1: SDS-PAGE Analysis Purified APC Mouse Monoclonal Antibody (ALi 12-28). Confirmation of Purity and Integrity of Antibody.