APC / Adenomatous Polyposis Coli / FAP (Tumor Suppressor) Antibody

Mouse Monoclonal Antibody [Clone ALi 12-28]

Catalog No	Format	Size
324-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
324-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
324-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

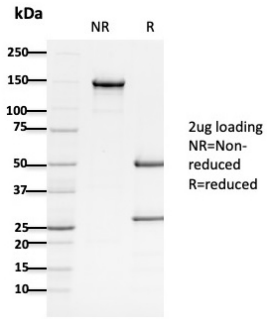
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	ALi 12-28
Gene Name	APC
Immunogen	Recombinant fragment of human APC protein (around aa 1-433)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	66kDa
Cellular Localization	Adherens junction, Cell junction, Cell membrane, Cell projection, Cytoplasm, Cytoskeleton, Lamellipodium, Ruffle membrane
Species Reactivity	Human
Positive Control	breast or colon., COLO 320DM whole cell lysate. HCT116 cells. Tonsil, Placenta

**Optimal dilution for a specific application should be determined.*

Product Images for APC / Adenomatous Polyposis Coli / FAP (Tumor Suppressor) Antibody



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

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

Breast Cancer, Cardiovascular, Colon Cancer, Infectious Disease, Ovarian Cancer, Signal Transduction

Limitations and Warranty