

Anti-APC Antibody [ALi 12-28] (A248869)

Specifications:

Name:	Anti-APC Antibody [ALi 12-28]
Description:	Mouse monoclonal [ALi 12-28] antibody to APC.
Specificity:	The adenomatous polyposis syndromes, familial adenomatous polyposis (FAP) and Gardners 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.
Applications:	ELISA, Flow Cytometry, IF, WB
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml
Reactivity:	Human
Cross Reactivity:	This antibody does not cross react with Mouse.
Immunogen:	Recombinant fragment, around amino acids 1-433, of human APC protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	ALi 12-28
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Specifications continued:

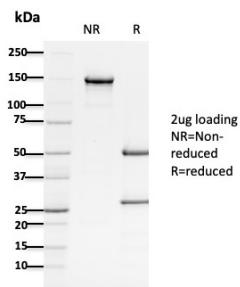
General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-APC Antibody [ALi 12-28] - BSA and Azide free (A252049).

Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



SDS-PAGE analysis of Anti-APC Antibody [ALi 12-28] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.