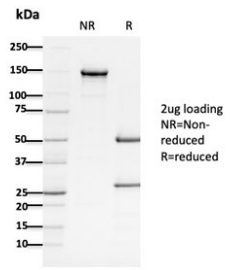
Adenomatous polyposis coli Antibody / APC [clone ALi 12-28] (V7847)

Catalog No.	Formulation	Size
V7847-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7847-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7847SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ALi 12-28
Purity	Protein G affinity chromatography
UniProt	P25054
Applications	Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This Adenomatous polyposis coli antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Adenomatous polyposis coli antibody (clone ALi 12-28) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the Adenomatous polyposis coli antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 1-433) was used as the immunogen for the Adenomatous polyposis coli antibody.

Storage

Store the Adenomatous polyposis coli antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).