



Datasheet for ABIN6939658
anti-APC antibody (AA 1-433)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	APC
Binding Specificity:	AA 1-433
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This APC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Coating (Coat), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant fragment of human APC protein (around aa 1-433)
Clone:	ALi 12-28
Isotype:	IgG1 kappa
No Cross-Reactivity:	Mouse (Murine)
Purification:	Purified by Protein A/G

Target Details

Target:	APC
Alternative Name:	APC (APC Products)
Background:	The adenomatous polyposis syndromes, familial adenomatous polyposis (FAP) and Gardner's

Target Details

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.

Molecular Weight: 66kDa

Gene ID: 324

UniProt: [P25054](#)

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Positive Control: COLO 320DM whole cell lysate. HCT116 cells. Tonsil, placenta, breast or colon. Known Application: ELISA (For coating, order antibody without BSA), Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

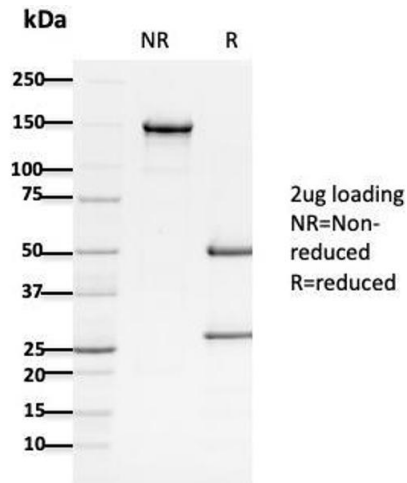
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images



SDS-PAGE

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