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# **Recombinant anti-APC antibody**

**Images** 



# Overview

Quantity:	100 μL
Target:	APC
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This APC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

# **Product Details**

Immunogen:	A synthesized peptide derived from human APC
Clone:	5F2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Affinity-chromatography

# Target Details

Target:	APC
Alternative Name:	APC (APC Products)
Background:	Background: Tumor suppressor. Promotes rapid degradation of CTNNB1 and participates in

Wnt signaling as a negative regulator. APC activity is correlated with its phosphorylation state. Activates the GEF activity of SPATA13 and ARHGEF4. Plays a role in hepatocyte growth factor (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.

Aliases: Adenomatous polyposis coli protein (Protein APC) (Deleted in polyposis 2.5), APC,

UniProt:

P25054

DP2.5

Pathways:

WNT Signaling, Stem Cell Maintenance, Cell-Cell Junction Organization

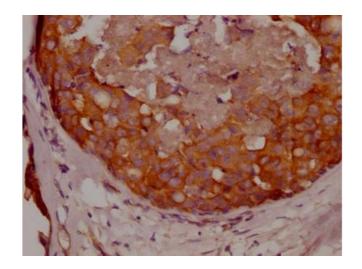
# **Application Details**

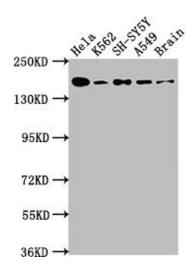
Storage Comment:

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200,
Restrictions:	For Research Use only
Handling	

Handling	
Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.





## **Immunohistochemistry**

Image 1. IHC image of ABIN7127341 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

## **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: Hela whole cell lysate, K562 whole cell lysate, SH-SY5Y whole cell lysate, A549 whole cell lysate, Rat Brain whole cell lysate All lanes: APC antibody at 1:1000 Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 312, 301, 309 kDa Observed band size: 160 kDa