



Shanghai Genomics, Inc.
No. 647 Songtao Road
Shanghai 201203, China
Phone: 86-21-50802786
FAX: 86-21-50802783
www.shanghaigenomics.com

APC2 Polyclonal Antibody

CATALOG NUMBER: SG4220-22
QUANTITY: 100µl
SOURCE: Rabbit
DESCRIPTION: Polyclonal antibodies are produced by immunizing rabbits with a peptide corresponding to amino acid residue 810-822 (cYSAGVYRLPKNCS) of human APC2 coupled to KLH.
SPECIFICITY/SENSITIVITY: APC2 antibody detects overexpressed human APC2 (Fig.1).

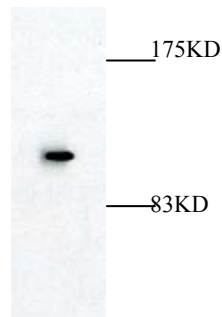


Figure 1: Western Blot analysis of cell lysate expressing APC2.

APPLICATION: Western Blot, Immunoprecipitation
FORMAT: Rabbit serum containing 0.02% sodium azide.
RECOMMENDED ANTIBODY DILUTION: Western blot: 1:1000.
STORAGE/HANDLING: Antibody is recommended being stored at -20°C. Avoid repeated freeze-thaw cycles.
USAGE: FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

Background:

The adenomatous polyposis syndromes, familial adenomatous polyposis (FAP) and Gardner's syndrome (GS),

SHANGHAI GENOMICS, INC.
Bld.#1, No. 5-6, 647 Song Tao Road Shanghai 201203, China
Tel: 86-21-50802786 • Fax: 86-21-50802783
www.shanghaigenomics.com



Shanghai Genomics, Inc.

No. 647 Songtao Road
Shanghai 201203, China
Phone: 86-21-50802786
FAX: 86-21-50802783
www.shanghaigenomics.com

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, 2843 amino acids in length, with a molecular weight of 300 kDa, which is frequently mutated in patients suffering from FAP and GS. APC has been found to be associated with structural components of intracellular junctions. β -catenin and γ -catenin (also called plakoglobin) are involved in the regulation of cellular adhesion. APC and E cadherin compete for binding to specific internal regions of both β - and γ -catenin. Interactions between cytoskeleton and the APC, E cadherin, β/γ catenin complex are mediated by α -catenin. Like APC, APC2 contains SAMP domains, which are required for conductin binding. Both APC and APC2 regulate the formation of active β -catenin-Tcf complexes.