

Datasheet for ABIN1537267
anti-ENC1 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	ENC1
Binding Specificity:	AA 395-423, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ENC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 395-423 amino acids from the C-terminal region of human ENC1.
Clone:	RB37065
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	ENC1
Alternative Name:	ENC1 (ENC1 Products)
Background:	DNA damage and/or hyperproliferative signals activate wildtype p53 tumor suppressor protein

Target Details

(TP53, MIM 191170), inducing cell cycle arrest or apoptosis. Mutations that inactivate p53 occur in 50 % of all tumors. Polyak et al. (1997) [PubMed 9305847] used serial analysis of gene expression (SAGE) to evaluate cellular mRNA levels in a colorectal cancer cell line transfected with p53. Of 7,202 transcripts identified, only 14 were expressed at levels more than 10-fold higher in p53-expressing cells than in control cells. Polyak et al. (1997) [PubMed 9305847] termed these genes 'p53-induced genes,' or PIGs, several of which were predicted to encode redox-controlling proteins. They noted that reactive oxygen species (ROS) are potent inducers of apoptosis. Flow cytometric analysis showed that p53 expression induces ROS production, which increases as apoptosis progresses under some conditions. The authors stated that the PIG10 gene, also called ENC1, encodes an actin-binding protein.

Molecular Weight: 66130

Gene ID: 8507

NCBI Accession: [NP_001243503](#), [NP_001243504](#), [NP_001243505](#), [NP_003624](#)

UniProt: [O14682](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

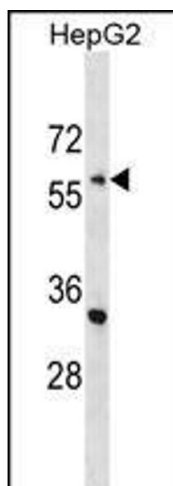
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: ENC1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.

Expiry Date: 6 months



Western Blotting

Image 1. ENC1 Antibody (C-term) (ABIN1537267 and ABIN2848751) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the ENC1 antibody detected the ENC1 protein (arrow).