

DNAxPAb



## ENC1 DNAxPab

Catalog # H00008507-W01P Size 200 ug

Specification	
Product Description	Rabbit polyclonal antibody raised against a full-length human ENC1 DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSVSVHENRKSRASSGSINIYLFHKSSYADSVLTHLNLLRQQRLFTDVLLHAGNRTFPCHRAVLAA CSRYFEAMFSGGLKESQDSEVNFDNSIHPEVLELLLDYAYSSRVIINEENAESLLEAGDMLEFQDI RDACAEFLEKNLHPTNCLGMLLLSDAHQCTKLYELSWRMCLSNFQTIRKNEDFLQLPQDMVVQL LSSEELETEDERLVYESAINWISYDLKKRYCYLPELLQTVRLALLPAIYLMENVAMEELITKQRKSKEI VEEAIRCKLKILQNDGVVTSLCARPRKTGHALFLLGGQTFMCDKLYLVDQKAKEIIPKADIPSPRKE FSACAIGCKVYITGGRGSENGVSKDVWVYDTLHEEWSKAAPMLVARFGHGSAELKHCLYVVGGH TAATGCLPASPSVSLKQVEHYDPTINKWTMVAPLREGVSNAAVVSAKLKLFAFGGTSVSHDKLP KVQCYDQCENRWTVPATCPQPWRYTAAAVLGNQIFIMGGDTEFSACSAYKFNSETYQWTKVGD VTAKRMSCHAVASGNKLYVVGGYFGIQRCKTLDCYDPTLDVWNSITTVPYSLIPTAFVSTWKHLPS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

• Western Blot (Transfected lysate)

Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ENC1	
Entrez GenelD	<u>8507</u>
GeneBank Accession#	<u>NM_003633.1</u>
Protein Accession#	<u>NP_003624.1</u>
Gene Name	ENC1
Gene Alias	CCL28, ENC-1, FLJ39259, KLHL35, KLHL37, NRPB, PIG10, TP53I10
Gene Description	ectodermal-neural cortex (with BTB-like domain)
Omim ID	<u>605173</u>
Gene Ontology	Hyperlink
Gene Summary	DNA damage and/or hyperproliferative signals activate wildtype p53 tumor suppressor protein (T P53; 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 expressio n (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-expr essing cells than in control cells. Polyak et al. (1997) [PubMed 9305847] termed these genes 'p5 3-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 pro gresses under some conditions. The authors stated that the PIG10 gene, also called ENC1, enco des an actin-binding protein.[supplied by OMIM
Other Designations	kelch-like 35 kelch-like 37 nuclear restricted protein, BTB domain-like (brain) tumor protein p53 in ducible protein 10