

## ARG42135 anti-ENC1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes ENC1
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Cow, Dog, Pig
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ENC1
Species	Human
Immunogen	Synthetic peptide around the internal region of Human ENC1. (TSVSHDKLPKVQC) (NP_003624.1; NP_001243505.1)
Conjugation	Un-conjugated
Alternate Names	KLHL37; KLHL35; Kelch-like protein 37; TP53I10; PIG10; NRPB; Nuclear matrix protein NRP/B; CCL28; ENC-1; Ectoderm-neural cortex protein 1; p53-induced gene 10 protein

### Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat ovary	
Observed Size	~ 70 kDa	

### Properties

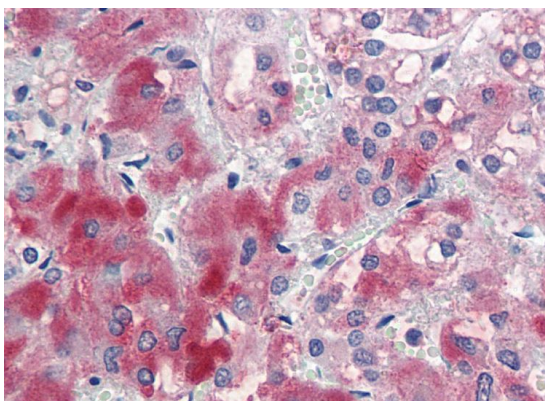
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

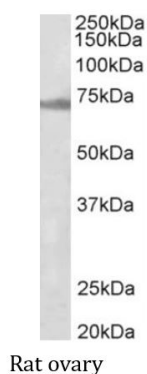
Gene Symbol	ENC1
Gene Full Name	ectodermal-neural cortex 1 (with BTB domain)
Background	This gene encodes a member of the kelch-related family of actin-binding proteins. The encoded protein plays a role in the oxidative stress response as a regulator of the transcription factor Nrf2, and expression of this gene may play a role in malignant transformation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]
Function	Actin-binding protein involved in the regulation of neuronal process formation and in differentiation of neural crest cells. Down-regulates transcription factor NF2L2/NRF2 by decreasing the rate of protein synthesis and not via a ubiquitin-mediated proteasomal degradation mechanism. [UniProt]
Calculated Mw	66 kDa
PTM	Ubiquitinated by E3 ubiquitin ligase complex formed by CUL3 and RBX1 and probably targeted for proteasome-independent degradation. Quinone-induced oxidative stress increases its ubiquitination. [UniProt]
Cellular Localization	Nucleus matrix. Cytoplasm. Cytoplasm, cytoskeleton. [UniProt]

## Images



ARG42135 anti-ENC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human adrenal gland tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG42135 anti-ENC1 antibody at 5 µg/ml dilution followed by AP-staining.



ARG42135 anti-ENC1 antibody WB image

Western blot: 35 µg of Rat ovary lysate (in RIPA buffer) stained with ARG42135 anti-ENC1 antibody at 1 µg/ml dilution and incubated at RT for 1 hour.