

ARG42130 anti-ENC1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Chicken Polyclonal antibody recognizes ENC1
Tested Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Target Name	ENC1
Species	Human
Immunogen	A 13 amino acid synthetic peptide within aa. 230 - 280 of Human ENC1.
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 - 20 µg/ml
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 51 kDa	

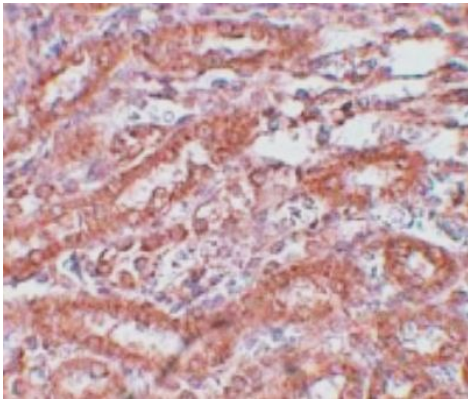
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 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

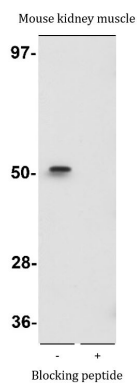
Gene Symbol	ENC1
Gene Full Name	ectodermal-neural cortex 1 (with BTB domain)
Background	This gene encodes a member of the kelch-related family of actin-binding proteins. The encoded protein plays a role in the oxidative stress response as a regulator of the transcription factor Nrf2, and expression of 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



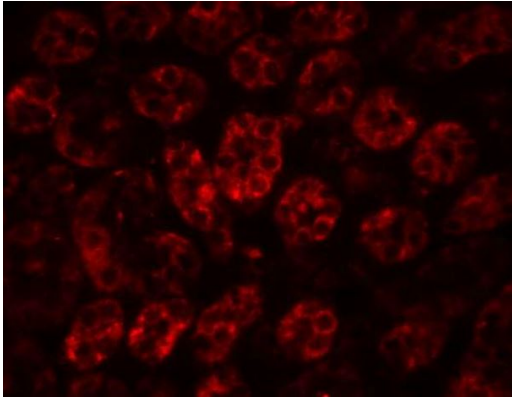
ARG42130 anti-ENC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney tissue stained with ARG42130 anti-ENC1 antibody at 5 µg/ml dilution.



ARG42130 anti-ENC1 antibody WB image

Western blot: Mouse kidney muscle lysate stained with ARG42130 anti-ENC1 antibody at 1 µg/ml dilution, in the absence (left) and the presence (right) of blocking peptide.



ARG42130 anti-ENC1 antibody IHC image

Immunohistochemistry: Rat kidney tissue stained with ARG42130 anti-ENC1 antibody at 20 µg/ml dilution.