

**ENC1 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3874a****Specification**

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**ENC1 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">O14682</a>
Other Accession	<a href="#">NP_003624.1</a> , <a href="#">NP_001243505.1</a> , <a href="#">8507</a> , <a href="#">13803</a> (mouse), <a href="#">294674</a> (rat)
Reactivity	Rat
Predicted	Human, Mouse, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	66130

**ENC1 Antibody (internal region) - Additional Information****Gene ID** 8507**Other Names**

Ectoderm-neural cortex protein 1, ENC-1, Kelch-like protein 37, Nuclear matrix protein NRP/B, p53-induced gene 10 protein, ENC1, KLHL37, NRPB, PIG10

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ENC1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**ENC1 Antibody (internal region) - Protein Information****Name** ENC1**Synonyms** KLHL37, NRPB, PIG10**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.

#### **Cellular Location**

Nucleus matrix. Cytoplasm. Cytoplasm, cytoskeleton

#### **Tissue Location**

Detected in fetal brain tissue, moderate expression in fetal heart, lung and kidney. Highly expressed in adult brain, particularly high in the hippocampus and amygdala, and spinal chord  
Detectable in adult pancreas. May be down-regulated in neuroblastoma tumors

### **ENC1 Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **ENC1 Antibody (internal region) - Images**



AF3874a (1 µg/ml) staining of Rat Ovary lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **ENC1 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_003624.1; NP\_001243505.1). Reported variants represent identical protein: NP\_001243503.1, NP\_001243504.1, NP\_003624.1.

### **ENC1 Antibody (internal region) - References**

Ectodermal-neural cortex 1 down-regulates Nrf2 at the translational level. Wang XJ, Zhang DD. PLoS One. 2009;4(5):e5492. PMID: 19424503