

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

Peptide-affinity purified goat antibody Catalog # AF3874a

### **Specification**

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

Application WB
Primary Accession 014682

Other Accession NP 003624.1, NP 001243505.1, 8507, 13803

(mouse), 294674 (rat)

Reactivity

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**

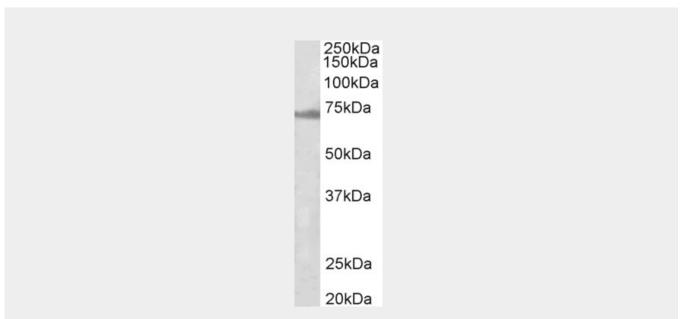
Detected in fetal brain tissue, moderate expression in fetal heart, lung and kidney. Highly expressed in adult brain, particularly high in the hippocampus and amygdala, and spinal chord Detectable in adult pancreas. May be down-regulated in neuroblastoma tumors

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

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### ENC1 Antibody (internal region) - Images



AF3874a (1  $\mu$ g/ml) staining of Rat Ovary lysate (35  $\mu$ g 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