

ENC1 rabbit pAb

Catalog No :	YT7362
Reactivity :	Human;Mouse
Applications :	WB
Target :	ENC1
Gene Name :	ENC1 KLHL37 NRPB PIG10
Protein Name :	ENC1
Human Gene Id :	8507
Human Swiss Prot No :	O14682
Mouse Gene Id :	13803
Mouse Swiss Prot No :	O35709
Immunogen :	Synthesized peptide derived from human ENC1 AA range: 241-291
Specificity :	This antibody detects endogenous levels of ENC1 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 65kD

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 :

developmental stage:Dramatically up-regulated upon neuronal differentiation.,function:Actin-binding protein involved in the regulation of neuronal process formation and in differentiation of neural crest cells. May be down-regulated in neuroblastoma tumors. Substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.,induction:By TP53/p53.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated.,PTM:Ubiquitinated and probably targeted for proteasome-independent degradation.,similarity:Contains 1 BTB (POZ) domain.,similarity:Contains 6 Kelch repeats.,subunit:Binds to RB1. Hypophosphorylated RB1 associates with ENC1 during neuronal differentiation, while hyperphosphorylated RB1 associates with ENC1 in undifferentiating cells. Part of a complex that contains CUL3, RBX1 and E

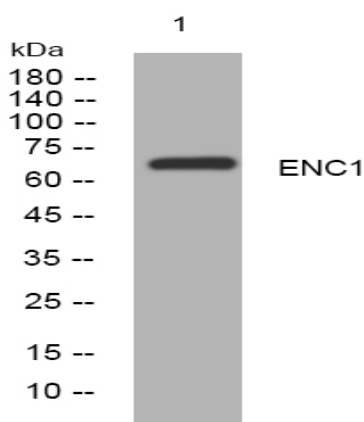
Subcellular Location :

Nucleus matrix . Cytoplasm . Cytoplasm, cytoskeleton .

Expression :

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.

Products Images



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4° over night