



Rabbit Anti-Human KEAP1 Polyclonal Antibody (CABT-L2266)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Kelch Like ECH Associated Protein 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against KEAP1. It has been selected for its ability to recognize KEAP1 in immunohistochemical staining and western blotting.
Target	KEAP1
Immunogen	Recombinant fragment corresponding to human KEAP1 (Leu327~Cys624)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a protein containing KELCH-1 like domains, as well as a BTB/POZ domain. Kelch-like ECH-associated protein 1 interacts with NF-E2-related factor 2 in a redox-sensitive manner and the dissociation of the proteins in the cytoplasm is followed by transportation of NF-E2-related factor 2 to the nucleus. This interaction results in the expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. [provided by RefSeq, Jul 2008]
Keywords	INrf2;KLHL19;Cytosolic inhibitor of Nrf2;Kelch-like protein 19

GENE INFORMATION

Gene Name	KEAP1 kelch-like ECH-associated protein 1 [Homo sapiens (human)]
Official Symbol	KEAP1
Synonyms	KEAP1; kelch-like ECH-associated protein 1; INrf2; KLHL19; kelch-like protein 19; cytosolic inhibitor of Nrf2; kelch-like family member 19;
Entrez Gene ID	9817
Protein Refseq	NP_036421
UniProt ID	A0A024R7C0
Chromosome Location	19p13.2
Pathway	Adaptive Immune System; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation; Immune System; Keap1-Nrf2 Pathway; Ubiquitin mediated proteolysis;
Function	protein binding; transcription factor binding;