antibodies - online.com







anti-KEAP1 antibody (C-Term)





Publication



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Overview		
Quantity:	100 μL	
Target:	KEAP1	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This KEAP1 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KEAP1	
Sequence:	TWTFVAPMKH RRSALGITVH QGRIYVLGGY DGHTFLDSVE CYDPDTDTWS	
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%	
Characteristics:	This is a rabbit polyclonal antibody against KEAP1. It was validated on Western Blot and immunohistochemistry.	

Purification:

Target Details

Target: KEAP1

Protein A purified

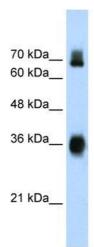
Target Details

Alternative Name:	KEAP1 (KEAP1 Products)		
Background:	KEAP1 contains 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. 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.		
	Alias Symbols: INrf2, KIAA0132, KLHL19, MGC10630, MGC1114, MGC20887, MGC4407, MGC9454		
	Protein Interaction Partner: OXR1, ZSCAN32, LSM3, KLHL3, FBXW11, MAPKBP1, NUDT4, DPP3		
	RBX1, ATG5, SQSTM1, PTMA, PRKAG1, NFE2L2, MAD2L1, GYPA, ETF1, BCL2, CUL3, RECK,		
	UBC, PGAM5, FAM117B, WDR83, CCNB1IP1, HSP90AA1, XPO1, MCMBP, KEAP1, SLK, MCM3,		
	IKBKB, AMER1, GPRASP2, PRKCE, NFE2L1,		
	Protein Size: 624		
Molecular Weight:	70 kDa		
Gene ID:	9817		
NCBI Accession:	NM_203500, NP_987096		
UniProt:	Q14145		
Pathways:	Maintenance of Protein Location		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 624 AA		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting,

Images

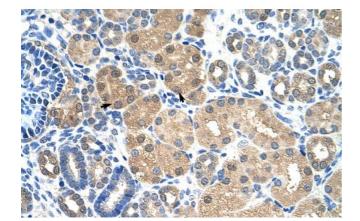


Western Blotting

Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: Nucleic acids

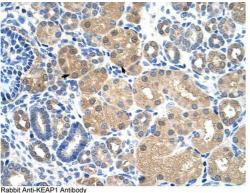
research, Vol. 34, Issue Database issue, pp. D415-8, (2005) (PubMed).

Image 1. WB Suggested Anti-KEAP1 Antibody Titration: 1.0ug/ml Positive Control: HepG2 cell lysate KEAP1 is supported by BioGPS gene expression data to be expressed in HepG2



Immunohistochemistry

Image 2. Human kidney



Rabbit Anti-KEAP1 Antibody
Catalog Number: ARP34728
Lot Number: OC11600
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 3. Human kidney

Please check the product details page for more images. Overall 4 images are available for ABIN2775979.