



## Rabbit Anti-KEAP1 antibody

SL4900R

<b>Product Name:</b>	KEAP1
<b>Chinese Name:</b>	胞质接头蛋白Keap1
<b>Alias:</b>	Cytosolic inhibitor of Nrf2; INrf 2; INrf2; Keap 1; KEAP1; KEAP1_HUMAN; Kelch like ECH associated protein 1; Kelch like protein 19; Kelch-like ECH-associated protein 1; Kelch-like protein 19; KIAA0132; KLHL 19; KLHL19; MGC10630; MGC1114; MGC20887; MGC4407; MGC9454.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	69kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human KEAP1:21-120/624
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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].

**Function:**

Retains NFE2L2/NRF2 in the cytosol. Functions as substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1. Targets NFE2L2/NRF2 for ubiquitination and degradation by the proteasome, thus resulting in the suppression of its transcriptional activity and the repression of antioxidant response element-mediated detoxifying enzyme gene expression. May also retain BPTF in the cytosol. Targets PGAM5 for ubiquitination and degradation by the proteasome.

**Subunit:**

Homodimer. Forms a ternary complex with NFE2L2 and PGAM5. Interacts with the N-terminal regulatory domain of NFE2L2/NRF2. Interacts with BPTF and PTMA. Interacts with CUL3. Part of a complex that contains KEAP1, CUL3 and RBX1.

**Subcellular Location:**

Cytoplasm. Nucleus. Note=Shuttles between cytoplasm and nucleus.

**Tissue Specificity:**

Broadly expressed, with highest levels in skeletal muscle.

**Similarity:**

Contains 1 BACK (BTB/Kelch associated) domain.

Contains 1 BTB (POZ) domain.

Contains 6 Kelch repeats.

**SWISS:**

Q14145

**Gene ID:**

9817

**Database links:**

[Entrez Gene: 532791](#)Cow

[Entrez Gene: 476713](#)Dog

[Entrez Gene: 9817](#)Human

[Entrez Gene: 50868](#)Mouse

[Entrez Gene: 100136900](#)Pig

[Entrez Gene: 117519](#)Rat

[Entrez Gene: 321837](#)Zebrafish

[Oimim: 606016](#)Human

[SwissProt: Q14145](#)Human

[SwissProt: Q9Z2X8](#)Mouse

[SwissProt: Q684M4](#)Pig

[SwissProt: P57790](#)Rat

[Unigene: 465870](#)Human

[Unigene: 248266](#)Mouse

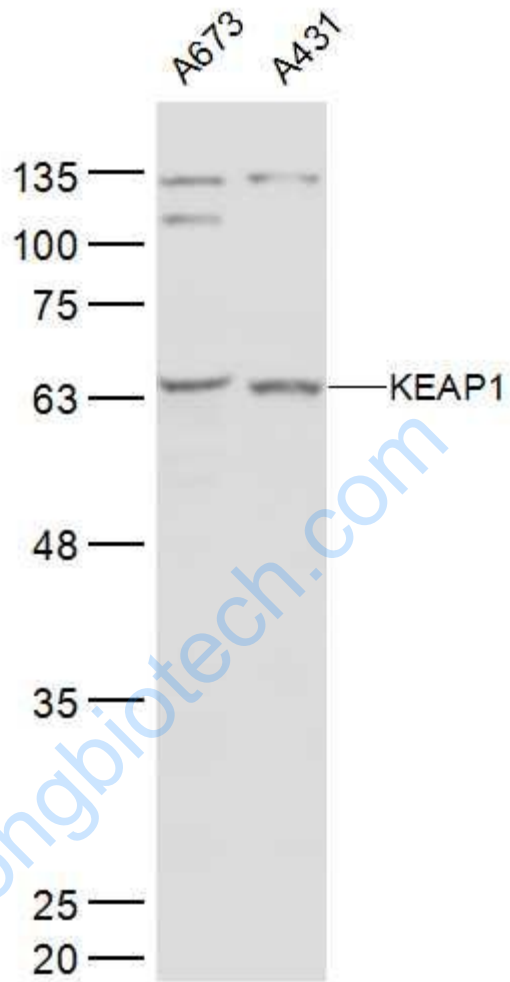
[Unigene: 23467](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)

Picture:



Sample:

A673(Human) Cell Lysate at 30 ug

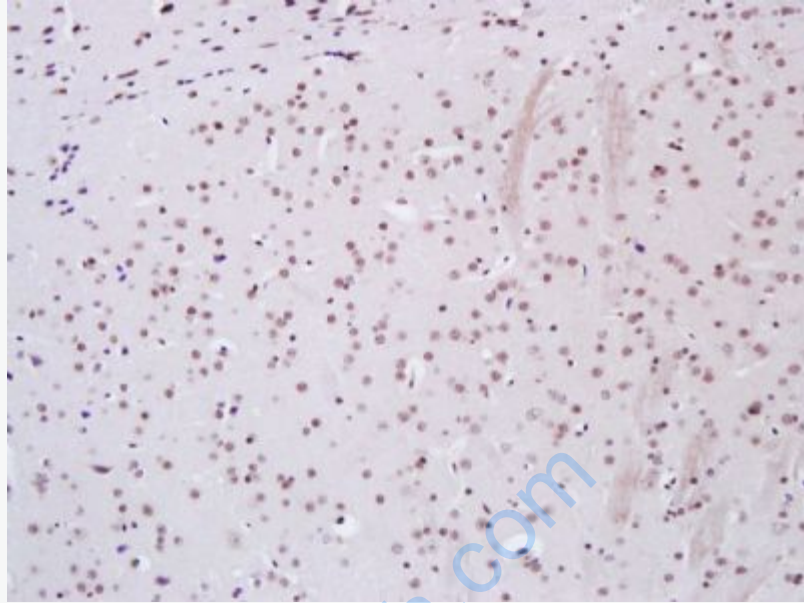
A431(Human) Cell Lysate at 30 ug

Primary: Anti-KEAP1 (SL4900R) at 1/500 dilution

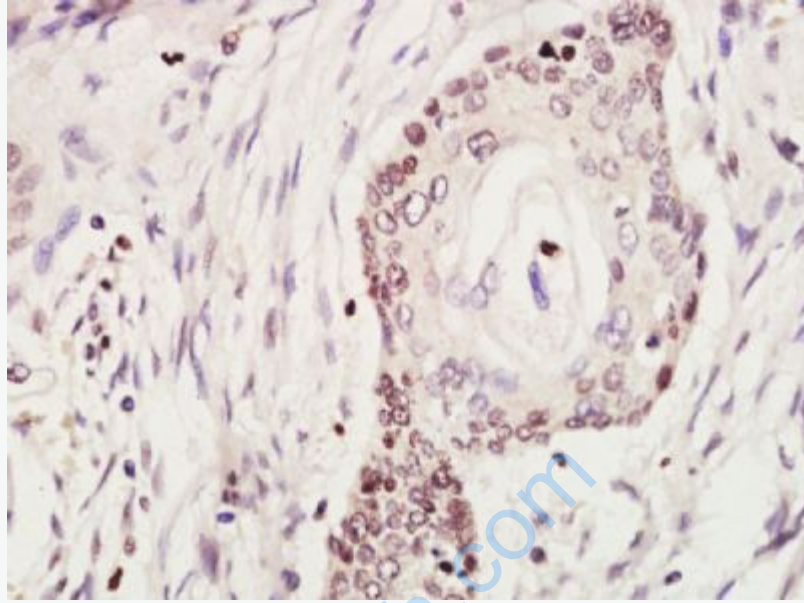
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

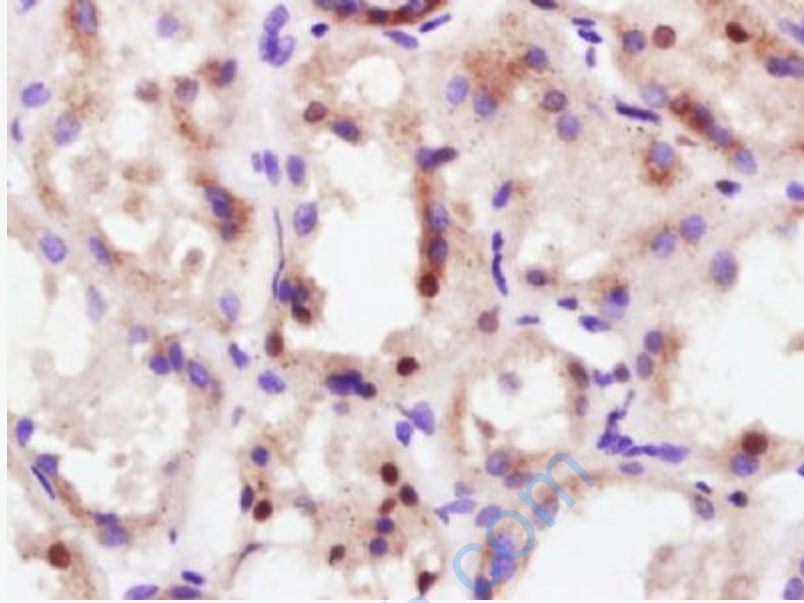
Observed band size: 69 kD



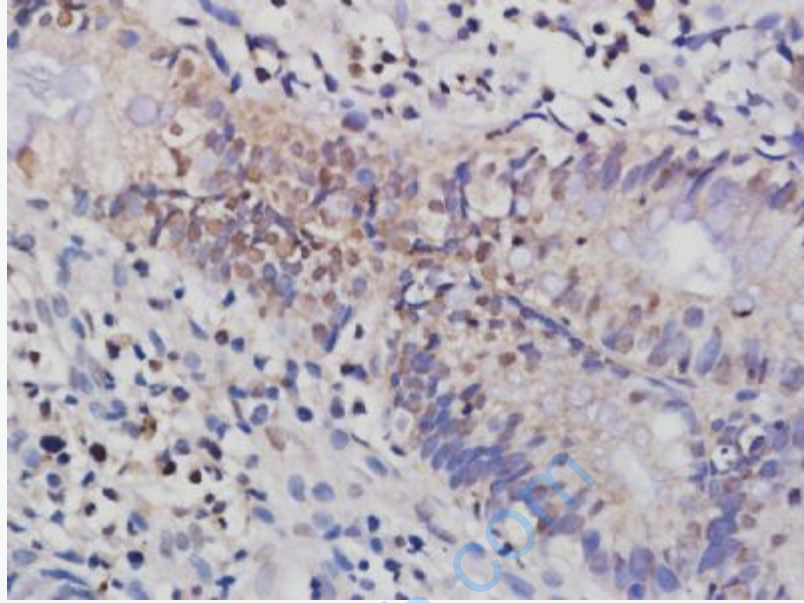
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

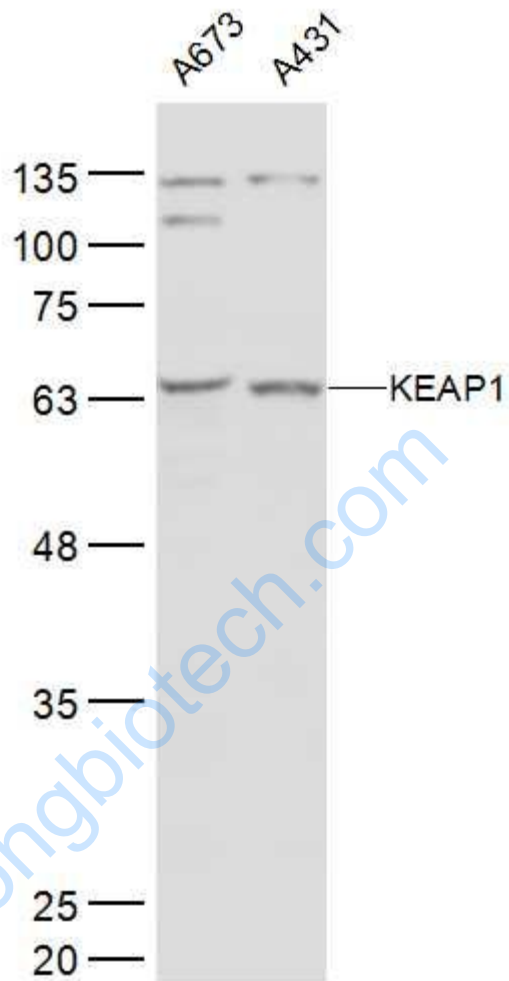


Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

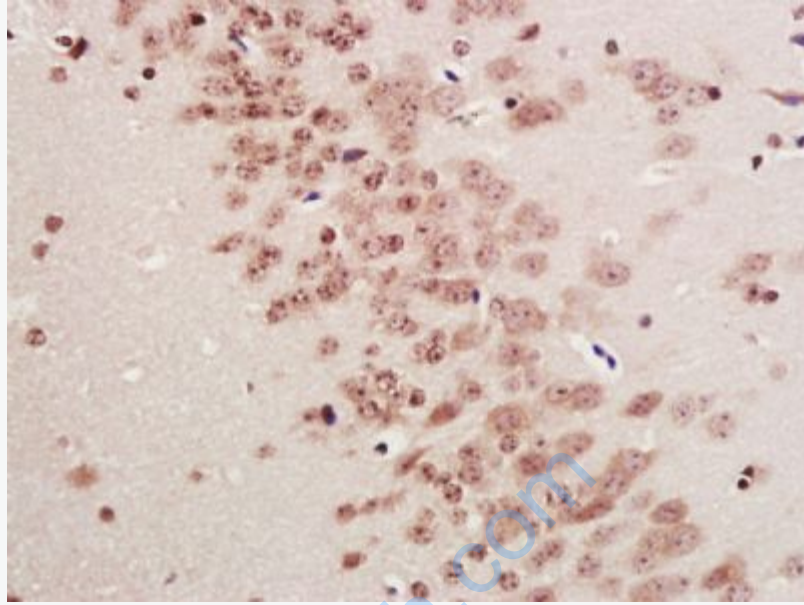


Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

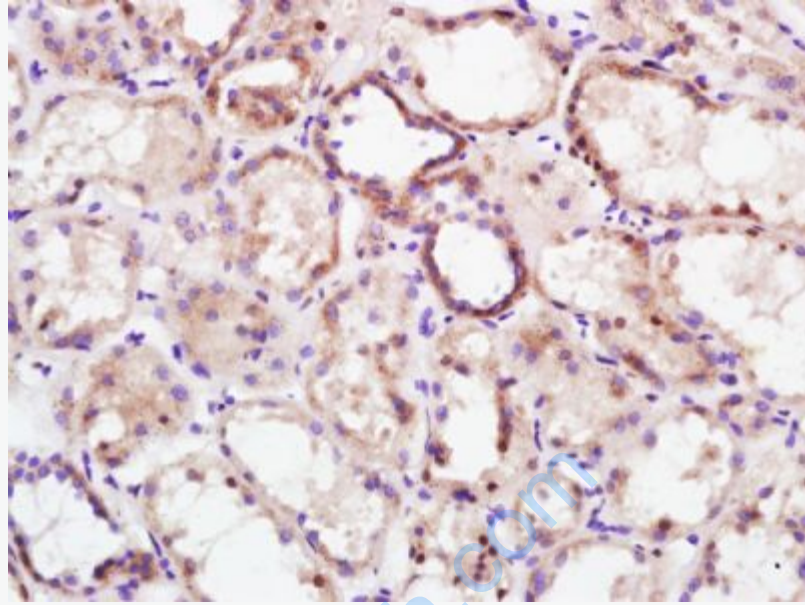




Paraformaldehyde-fixed, paraffin embedded (Human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KEAP1) Polyclonal Antibody, Unconjugated (SL4900R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.