

Datasheet for ABIN2775978  
**anti-KEAP1 antibody (N-Term)**

3 Images



[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	KEAP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Pig, Rabbit, Cow, Dog, Horse, 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 N terminal region of human KEAP1
Sequence:	SQCPEGAGDA VMYASTECKA EVTPSQHG NR TFSYTL E DHT KQAFGIMNEL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against KEAP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	KEAP1
---------	-------

## 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. Western blots using two different antibodies against two unique regions of this protein target confirm the same apparent molecular weight in our tests. 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, KLHL19

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

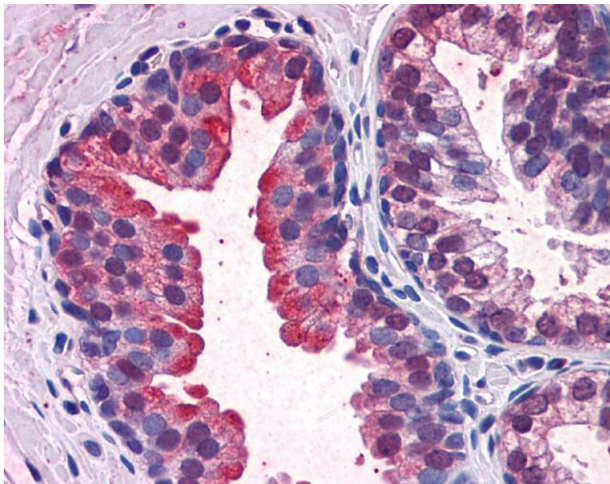
## Handling

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.

## Images



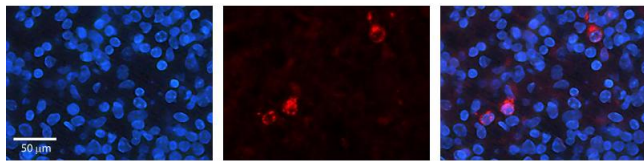
### Immunohistochemistry

**Image 1.**



### Western Blotting

**Image 2.** WB Suggested Anti-KEAP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



### Immunohistochemistry

**Image 3.** Rabbit Anti-KEAP1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Lymph Node Tissue  
Observed Staining: Cytoplasm, Nucleus Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A  
Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec