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# Datasheet for ABIN768571 anti-KEAP1 antibody (AA 41-53)

3 Images



### Overview

Quantity:	100 µg
Target:	KEAP1
Binding Specificity:	AA 41-53
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This KEAP1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

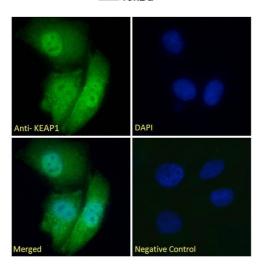
Purpose:	KEAP1 (aa41-53)
Immunogen:	Peptide with sequence C-EVTPSQHGNRTFS, from the internal region (near N Terminus) of the protein sequence according to NP_036421.2.
Sequence:	EVTPSQHGNR TFS
lsotype:	lgG
Specificity:	Reported variants represent identical protein: NP_036421.2, NP_987096.1
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

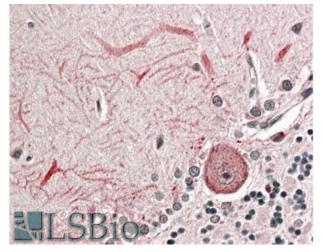
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Target Details	
Target:	KEAP1
Alternative Name:	KEAP1 (KEAP1 Products)
Background:	KEAP1, kelch-like ECH-associated protein 1, INrf2, KIAA0132, KLHL19, MGC10630, MGC1114, MGC20887, MGC4407, MGC9454, cytosolic inhibitor of Nrf2, kelch-like protein 19
Molecular Weight:	69.7kDa according to Human NP_036421.2 and of 69.6kDa according to Mouse NP_057888.1
Gene ID:	9817, 50868, 117519
NCBI Accession:	NP_036421
Pathways:	Maintenance of Protein Location
Application Details	
Application Notes:	Immunohistochemistry: In paraffin embedded Human Cerebellum shows textured cytoplasm staining in Purkinje cell and processes. Recommended concentration: 3-5 µg/mL. Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the nucleus and cytoplasm of HeLa cells. Recommended concentration: 5µg/ml.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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10	250kDa
	150kDa
	100kDa
-	75kDa
	50kDa
	37kDa
	25kDa
	20kDa
	15kDa





#### Western Blotting

**Image 1.** ABIN768571 (0.2µg/ml) staining of NIH3T3 lysate (35µg protein in RIPA buffer).. Detected by chemiluminescence.

#### Immunofluorescence

**Image 2.** ABIN768571-P1 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

#### Immunohistochemistry

**Image 3.** ABIN768571 (3.8µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

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