Datasheet for ABIN1098141

anti-KEAP1 antibody (AA 380-624)

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Overview

Quantity:	0.1 mg
Target:	KEAP1
Binding Specificity:	AA 380-624
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human KEAP1 (AA: 380-624) expressed in E. coli.
Clone:	7G4B10
Isotype:	IgG1
Purification:	purified

Target Details

Target:	KEAP1
Alternative Name:	KEAP1 (KEAP1 Products)
Background:	Description: 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

Target Details

	expression of the catalytic subunit of gamma-glutamylcysteine synthetase. Two alternatively spliced transcript variants encoding the same isoform have been found for this gene. , , Aliases: INrf2, KLHL19
Molecular Weight:	69.7 kDa
Gene ID:	9817
HGNC:	9817
Pathways:	Maintenance of Protein Location

Application Details

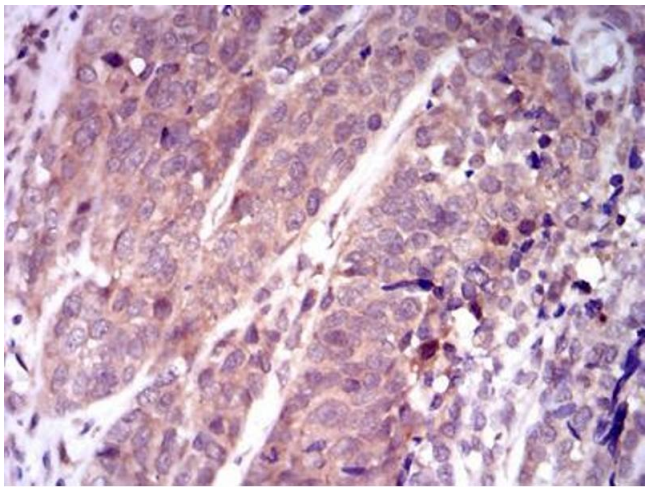
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

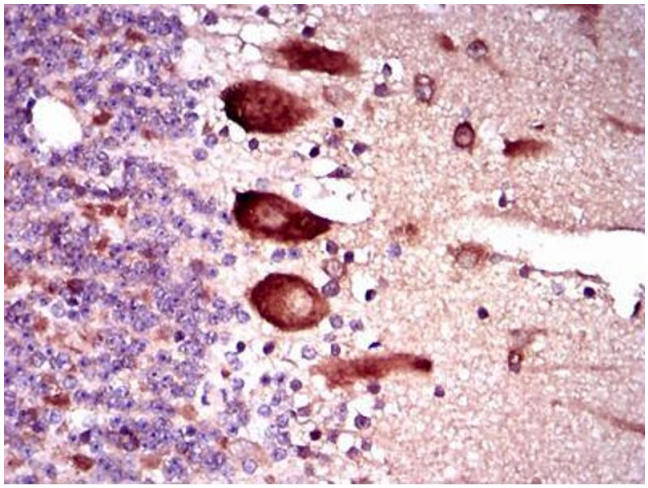
Publications

Product cited in:	Muscarella, Barbano, DAngelo, Copetti, Coco, Balsamo, la Torre, Notarangelo, Troiano, Parisi, Icolaro, Catapano, Valori, Pellegrini, Merla, Carella, Fazio, Parrella: "Regulation of KEAP1 expression by promoter methylation in malignant gliomas and association with patient's outcome." in: **Epigenetics**, Vol. 6, Issue 3, pp. 317-25, (2011) (PubMed). Niture, Jaiswal: "INrf2 (Keap1) targets Bcl-2 degradation and controls cellular apoptosis." in: **Cell death and differentiation**, Vol. 18, Issue 3, pp. 439-51, (2011) (PubMed).



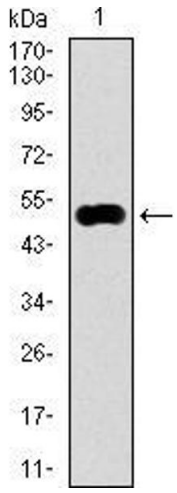
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using KEAP1 mouse mAb with DAB staining.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded cerebellum tissues using KEAP1 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using KEAP1 mAb against human KEAP1 recombinant protein. (Expected MW is 52.7 kDa)

Please check the product details page for more images. Overall 5 images are available for ABIN1098141.