Anti-KEAP1 antibody

Cat. No.	ml160984
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-KEAP1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human KEAP1
Reactivity	Human, Mouse, Rat
Content	1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

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Symbol	KEAP1
Full name	kelch-like ECH-associated protein 1
Synonyms	INrf2; KLHL19
Swissprot	Q14145

Target Background

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.

Applications

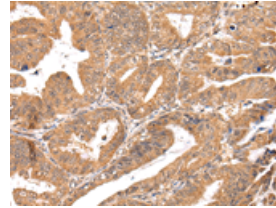**Immunohistochemistry**

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human thyroid cancer

Recommended dilution: 25-100

Predicted cell location: Cytoplasm and Nucleus

Positive control: Human esophagus cancer

Recommended dilution: 25-100
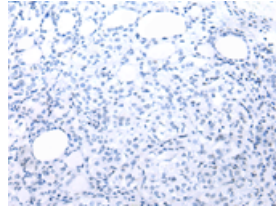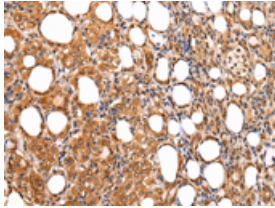
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml160984(KEAP1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)
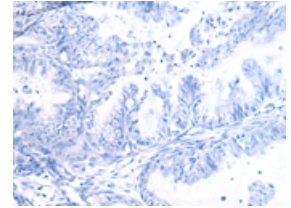
The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml160984(KEAP1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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