


Product datasheet

Anti-Keap1 antibody ab196346

2 References

Overview

Product name	Anti-Keap1 antibody
Description	Rabbit polyclonal to Keap1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Sheep, Guinea pig, Pig, a wide range of other species 
Immunogen	Synthetic peptide within Human Keap1 (C terminal). The exact sequence is proprietary. Database link: Q14145

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituents: 1.21% Tris, 0.75% Glycine
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab196346** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 70 kDa.
ICC/IF		1/200 - 1/1000.

Target

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.
Tissue specificity	Broadly expressed, with highest levels in skeletal muscle.
Sequence similarities	Contains 1 BACK (BTB/Kelch associated) domain. Contains 1 BTB (POZ) domain. Contains 6 Kelch repeats.
Domain	The Kelch repeats mediate interaction with NFE2L2/NRF2, BPTF and PGAM5.
Post-translational modifications	Ubiquitinated and subject to proteasomal degradation.
Cellular localization	Cytoplasm. Nucleus. Shuttles between cytoplasm and nucleus.

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