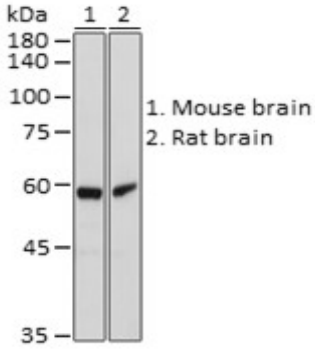
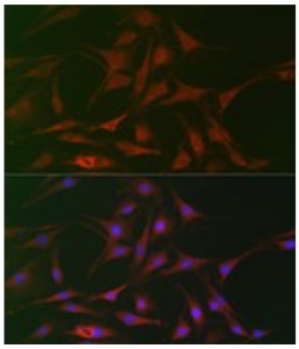
Product Name:	KEAP1 Rabbit pAb
Catalog #:	Z2902-20; Z2902-100
Also Known As:	KEAP1; INrf2; KLHL19KEAP1; INrf2; KLHL19KEAP1; INrf2; KLHL19KEAP1; INrf2; KLHL19
Quantity:	20 µl for Z2902-20; 100 µl for Z2902-100
Concentration:	See labels on tube
Host Species:	Rabbit
Isotype:	IgG
Reactivity:	Human, Mouse, Rat
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 325-624 of human KEAP1.
Swiss Prot. #:	Q14145
Calculated MW:	69kDa
Detected MW:	60kDa
Applications:	WB (1:500 - 1:2,000) IHC (1:50 - 1:200) IF (1:50 - 1:200) IP (not tested) Note: Antibody dilution should be optimized by users.

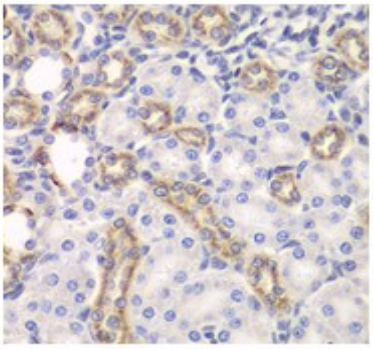
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using KEAP1 antibody (Z2902) at 1:1,000 dilution.



Immunofluorescence of C6 cells using KEAP1 antibody (Z2902) at 1:100 dilution. Blue: DAPI nuclear staining.



Immunohistochemistry of paraffin-embedded rat kidney using KEAP1 antibody (Z2902) at 1:100 dilution.

Purification:	Protein A or G affinity purification
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Centrifuge to maximize product recovery.
Background:	KEAP1 acts as a substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1 that targets NFE2L2/NRF2 for ubiquitination and degradation by the proteasome, thus resulting in the suppression of NRF2-mediated transcription and the repression of antioxidant response element-mediated detoxifying enzyme gene expression.

Reference:

1. Itoh K, et al. (1999) Genes Dev 13, 76-86.
2. Padmanabhan B, et al. (2006) 21, 689-700.