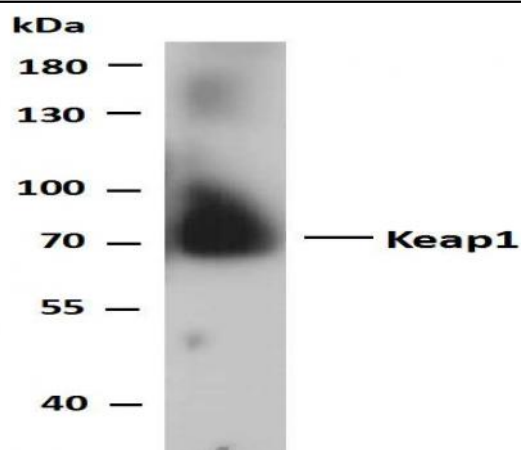


## Keap1 (PTR2556) Mouse mAb

<b>Catalog No :</b>	YM4696
<b>Reactivity :</b>	Human; Mouse; Dog (predicted: Rat)
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Keap1
<b>Fields :</b>	>>Ubiquitin mediated proteolysis;>>Parkinson disease;>>Pathways in cancer;>>Chemical carcinogenesis - reactive oxygen species;>>Hepatocellular carcinoma;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	KEAP1 INRF2 KIAA0132 KLHL19
<b>Protein Name :</b>	Kelch-like ECH-associated protein 1 (Cytosolic inhibitor of Nrf2) (INrf2) (Kelch-like protein 19)
<b>Human Gene Id :</b>	9817
<b>Human Swiss Prot No :</b>	Q14145
<b>Mouse Gene Id :</b>	50868
<b>Mouse Swiss Prot No :</b>	Q9Z2X8
<b>Rat Gene Id :</b>	117519
<b>Rat Swiss Prot No :</b>	P57790
<b>Immunogen :</b>	Synthesized peptide derived from human Keap1 AA range: 400-500
<b>Specificity :</b>	This antibody detects endogenous levels of Keap1 at Human, Mouse,Rat
<b>Formulation :</b>	PBS, pH7.4, 50% glycerol, 0.03%Proclin 300
<b>Source :</b>	Mouse,monoclonal:IgG1,Kappa
<b>Dilution :</b>	WB 1:500-2000,ELISA 1:5000-20000

<b>Purification :</b>	Protein G
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	70kDa
<b>Background :</b>	kelch like ECH associated protein 1(KEAP1) Homo sapiens 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. [provided by RefSeq, Jul 2008],
<b>Function :</b>	disease:Defects in KEAP1 may be a cause of breast cancer.,disease:Defects in KEAP1 may be involved in non small cell lung carcinomas (NSCLC) and lung adenocarcinoma.,domain:The Kelch repeats mediate interaction with NF2L2/NRF2, BPTF and PGAM5.,enzyme regulation:Ubiquitination and subsequent degradation of PGAM5 is inhibited by oxidative stress and sulforaphane.,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.,PTM:Ubiquitinated and subject to proteasomal degra
<b>Subcellular Location :</b>	Cytoplasm . Nucleus . Mainly cytoplasmic (PubMed:15601839). In response to selective autophagy, relocalizes to inclusion bodies following interaction with SQSTM1/p62 (PubMed:20452972). .
<b>Expression :</b>	Broadly expressed, with highest levels in skeletal muscle.

## Products Images



Whole cell lysates of A431 were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Keap1 (PTR2556) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: A431 Predicted band size: 69kDa Observed band size: 69kDa

A431 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Keap1 (PTR2556) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: anti-Keap 1 antibody at 1ug/ml Lane 2: anti-Keap 1 antibody at 0.5ug/ml Predicted band size: 69kDa Observed band size: 69kDa

Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Keap1 (PTR2556) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat Predicted band size: 69kDa Observed band size: 69kDa