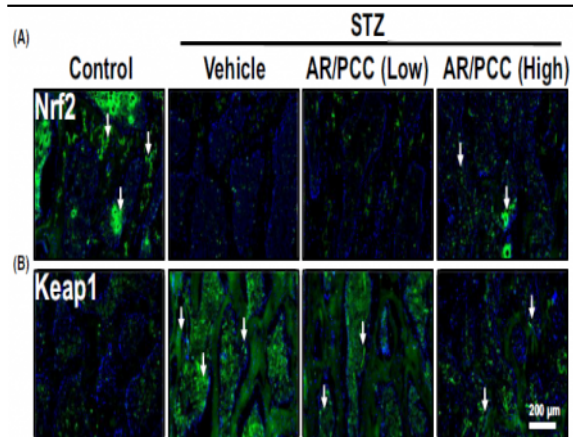


## Keap-1 Polyclonal Antibody

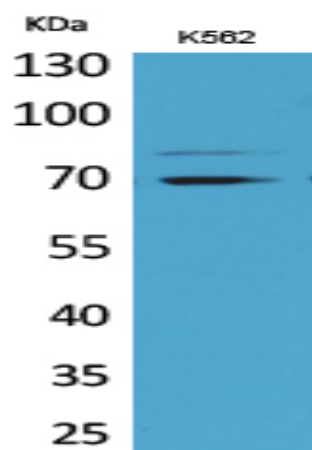
<b>Catalog No :</b>	YT5218
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Keap1
<b>Fields :</b>	>>Ubiquitin mediated proteolysis;>>Parkinson disease;>>Pathways in cancer;>>Chemical carcinogenesis - reactive oxygen species;>>Hepatocellular carcinoma;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	KEAP1
<b>Protein Name :</b>	Kelch-like ECH-associated protein 1
<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>	The antiserum was produced against synthesized peptide derived from the Internal region of human KEAP1. AA range:411-460
<b>Specificity :</b>	Keap1 Polyclonal Antibody detects endogenous levels of Keap1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	70kD
<b>Cell Pathway :</b>	Ubiquitin mediated proteolysis;
<b>Background :</b>	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.

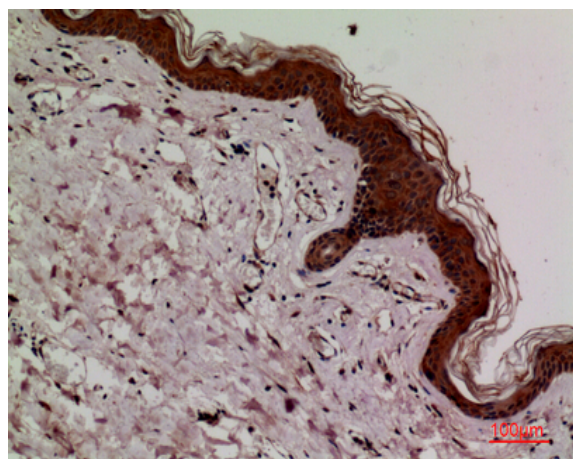
## Products Images



AR/PCC herb pair inhibits osteoblast pyroptosis to alleviate diabetes-related osteoporosis by activating Nrf2/Keap1 pathway.  
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE  
Hongfeng Ruan IF Rat 1:500 vertebral body



Western Blot analysis of K562 cells using Keap1 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:100