

## ARG44472 anti-Pirin antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Pirin
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Pirin
Species	Human
Immunogen	Human Pirin recombinant protein
Conjugation	Un-conjugated
Alternate Names	PIR; Pirin; Probable Quercetin 2,3-Dioxygenase PIR; Pirin (Iron-Binding Nuclear Protein); Probable Quercetinase

### Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 <sup>6</sup>
	ICC/IF	5 µg/ml
	WB	0.1-0.25 µg/ml

**Application Note** The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

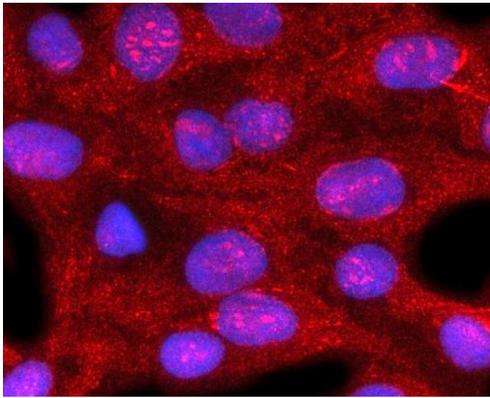
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

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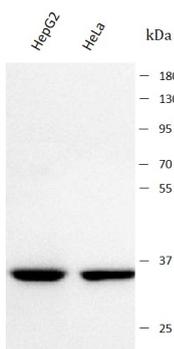
Gene Symbol	PIR
Gene Full Name	Pirin
Background	This gene encodes a member of the cupin superfamily. The encoded protein is an Fe(II)-containing nuclear protein expressed in all tissues of the body and concentrated within dot-like subnuclear structures. Interactions with nuclear factor I/CCAAT box transcription factor as well as B cell lymphoma 3-encoded oncoprotein suggest the encoded protein may act as a transcriptional cofactor and be involved in the regulation of DNA transcription and replication. Alternatively spliced transcript variants have been described.
Function	Transcriptional coregulator of NF-kappa-B which facilitates binding of NF-kappa-B proteins to target kappa-B genes in a redox-state-dependent manner. May be required for efficient terminal myeloid maturation of hematopoietic cells. Has quercetin 2,3-dioxygenase activity.
Calculated Mw	32 kDa
Cellular Localization	Cytoplasm, Nucleus

## Images



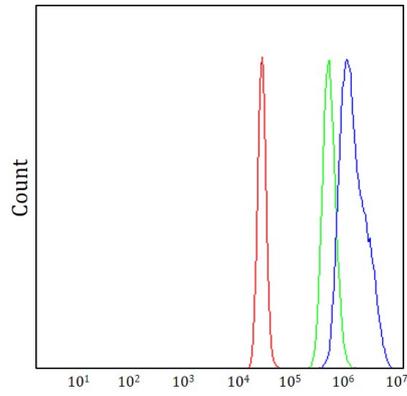
ARG44472 anti-Pirin antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG44472 anti-Pirin antibody at 5  $\mu\text{g}/\text{mL}$  dilution.



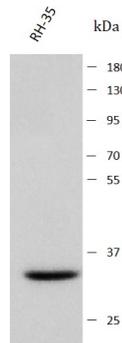
ARG44472 anti-Pirin antibody WB image

Western blot: HepG2 and HeLa stained with ARG44472 anti-Pirin antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



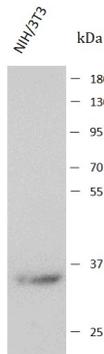
#### ARG44472 anti-Pirin antibody FACS image

Flow Cytometry: HepG2 stained with ARG44472 anti-Pirin antibody at 1  $\mu\text{g}/10^6$  cells dilution.



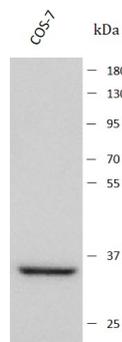
#### ARG44472 anti-Pirin antibody WB image

Western blot: RH-35 stained with ARG44472 anti-Pirin antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44472 anti-Pirin antibody WB image

Western blot: NIH/3T3 stained with ARG44472 anti-Pirin antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44472 anti-Pirin antibody WB image

Western blot: COS-7 stained with ARG44472 anti-Pirin antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.