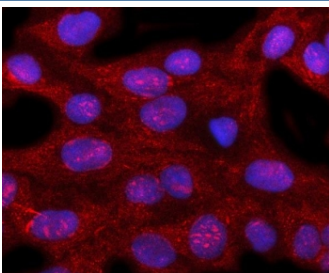


## Pirin Antibody / PIR (RQ8800)

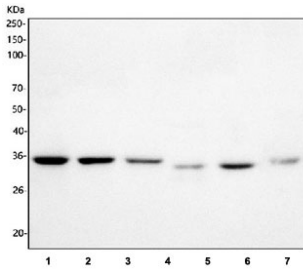
Catalog No.	Formulation	Size
RQ8800	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

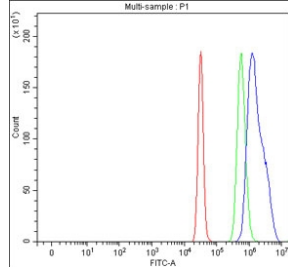
<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human, Monkey, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity chromatography
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	O00625
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Pirin antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with Pirin antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) monkey COS-7, 4) rat heart, 5) rat RH35 and 6) mouse NIH 3T3 cell lysate with Pirin antibody. Predicted molecular weight ~32 kDa.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with Pirin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Pirin antibody.

## Description

Pirin is a protein that in humans is encoded by the PIR gene. 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.

## Application Notes

Optimal dilution of the Pirin antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids K5-Q266) was used as the immunogen for the Pirin antibody.

## Storage

After reconstitution, the Pirin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.