

Datasheet for ABIN7163307  
**anti-PIRT antibody (AA 1-55)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	PIRT
Binding Specificity:	AA 1-55
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIRT antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Phosphoinositide-interacting protein (1-55AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	PIRT
Alternative Name:	PIRT ( <a href="#">PIRT Products</a> )
Background:	Background: Regulatory subunit of TRPV1, a molecular sensor of noxious heat and capsaicin. Positively regulates TRPV1 channel activity via phosphatidylinositol 4,5-bisphosphate (PIP2).

## Target Details

Binds various phosphoinositide, including phosphatidylinositol 4,5-bisphosphate (PIP2), but not phosphatidylinositol (PI) (By similarity).

Aliases: hCG\_1776018 antibody, Phosphoinositide interacting regulator of transient receptor potential channels antibody, Phosphoinositide-interacting protein antibody, Pirt antibody, PIRT\_HUMAN antibody

UniProt: [P0C851](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

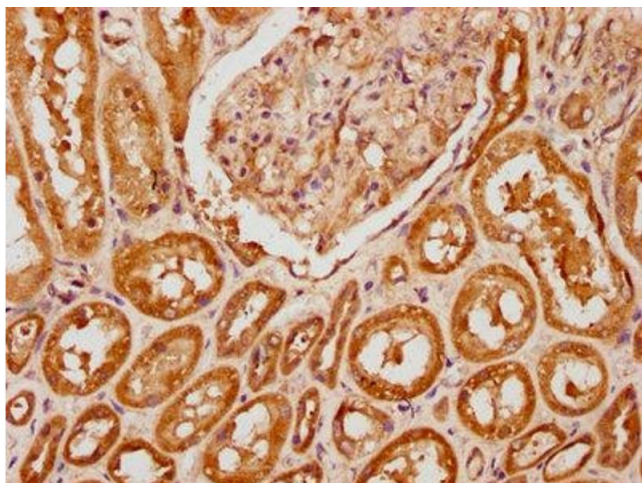
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

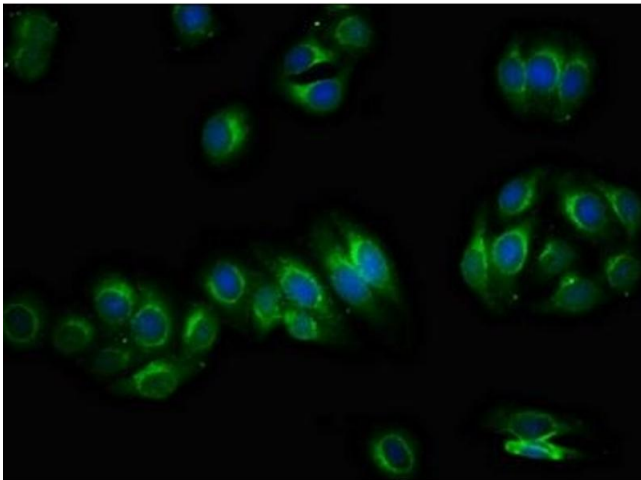
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Immunohistochemistry

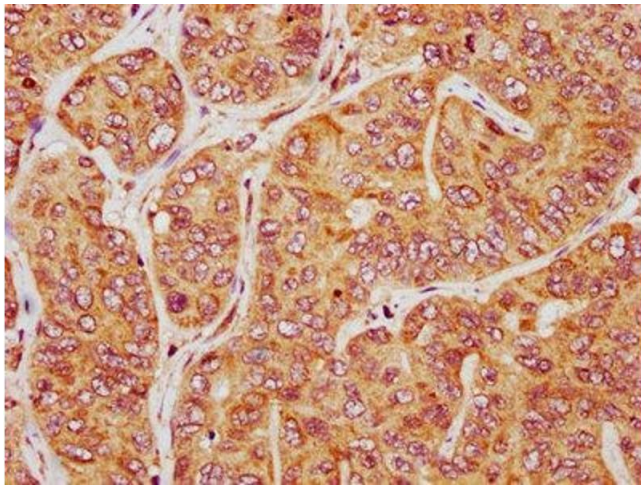
**Image 1.** IHC image of ABIN7163307 diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and



visualized using an HRP conjugated SP system.

### Immunofluorescence

**Image 2.** Immunofluorescence staining of HepG2 cells with ABIN7163307 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Immunohistochemistry

**Image 3.** IHC image of ABIN7163307 diluted at 1:200 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.