

# PIRT Polyclonal antibody

Catalog Number: 20990-1-AP

2 Publications

## Basic Information

**Catalog Number:**

20990-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001101387

**GeneID (NCBI):**

644139

**UNIPROT ID:**

P0C851

**Full Name:**phosphoinositide-interacting  
regulator of transient receptor  
potential channels**Calculated MW:**

15 kDa

**Observed MW:**

25 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

IF, IHC

**Species Specificity:**

human

**Cited Species:**

mouse

**Positive Controls:**

WB : SH-SY5Y cells,

## Background Information

PIRT is a key component of the TRPV1 complex that positively regulates TRPV1 activity. It binds various phosphoinositide, including phosphatidylinositol 4,5-bisphosphate (PIP2), but not phosphatidylinositol (PI). PIRT is a membrane protein with MW 15-25 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xing-Qi Bao	31467580	Evid Based Complement Alternat Med	IF
Huijing Xie	37721527	EMBO Rep	IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

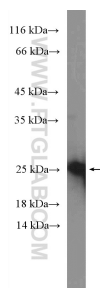
For technical support and original validation data for this product please contact:

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## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20990-1-AP (PIRT Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.