

## PIRT Antibody FITC Conjugated

Catalog No: #C01356F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	PIRT Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human PIRT
Conjugates	FITC
Target Name	PIRT
Other Names	hCG_1776018; Phosphoinositide interacting regulator of transient receptor potential channels ; Phosphoinositide-interacting protein; Pirt; PIRT_HUMAN.
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

PIRT is a 137 amino acid multi-pass membrane protein. Highly conserved among vertebrates, PIRT consists of two transmembrane domains and one putative C-terminal phosphoinositide-binding domain. Although PIRT is expressed in peripheral nervous system, with highest levels in dorsal root ganglion and trigeminal neurons, and lowest levels in sympathetic and enteric neurons, it is not expressed in spinal cord. PIRT is a required component of the VR1 complex, which positively regulates VR1, a sensor of both noxious heat and capsaicin. Correspondingly, PIRT knockout results in impaired responses to noxious heat and capsaicin exposure, while VR1 remains unaltered. The gene that encodes PIRT maps to human chromosome 17p13.1.

Note: This product is for in vitro research use only