Datasheet for ABIN1410266

anti-PIRT antibody (AA 51-137) (HRP)

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Overview

Quantity:	100 µL
Target:	PIRT
Binding Specificity:	AA 51-137
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIRT antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PIRT
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PIRT
Alternative Name:	PIRT (PIRT Products)
Background:	Synonyms: hCG_1776018, Phosphoinositide interacting regulator of transient receptor potential

Target Details

	channels , Phosphoinositide-interacting protein, Pirt, PIRT_HUMAN. 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.

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months