

For Research Use Only

OPRL1 Polyclonal ANTIBODY



Catalog Number: 12970-1-AP

2 Publications

Basic Information

Catalog Number:
12970-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG4079

GenBank Accession Number:
BC038433

GeneID (NCBI):
4987

Full Name:
opiate receptor-like 1

Calculated MW:
370aa, 41 kDa

Observed MW:
45 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:
FC, IHC, IP, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells; SH-SY5Y cells

IP : SH-SY5Y cells;

IHC : human gliomas tissue;

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Katarzyna Popiolek-Barczyk	25276817	Biomed Res Int	WB
Anna Piotrowska	30076959	Biochim Biophys Acta	

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

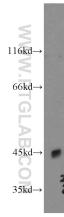
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

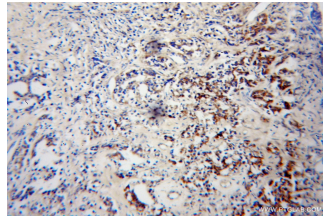
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

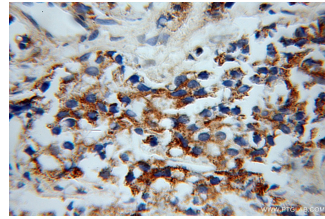
Selected Validation Data



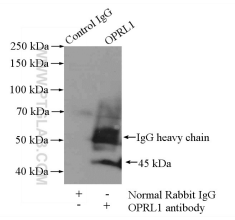
HeLa cells were subjected to SDS PAGE followed by western blot with 12970-1-AP(OPRL1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



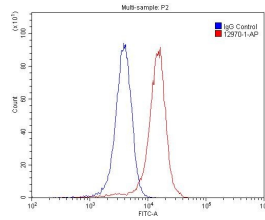
Immunohistochemical of paraffin-embedded human gliomas using 12970-1-AP(OPRL1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human gliomas using 12970-1-AP(OPRL1 antibody) at dilution of 1:100 (under 40x lens)



IP Result of anti-OPRL1 (IP:12970-1-AP, 4ug; Detection:12970-1-AP 1:500) with SH-SY5Y cells lysate 2000ug.



1X10⁶ SH-SY5Y cells were stained with 0.2ug OPRL1 antibody (12970-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.