

For Research Use Only

BRPF1 Polyclonal antibody

Catalog Number: 30186-1-AP



Basic Information

Catalog Number:

30186-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32828

GenBank Accession Number:

BC053851

GeneID (NCBI):

7862

UNIPROT ID:

P55201

Full Name:

bromodomain and PHD finger containing, 1

Calculated MW:

1220 aa, 138 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HeLa cells, PC-12 cells

IF/ICC : HeLa cells,

Background Information

BRPF1 (bromodomain and PHD finger-containing protein 1) is also named as BR140. BRPF1 is scaffold subunit of various histone acetyltransferase (HAT) complexes, such as the MOZ/MORF and HBO1 complexes, which have a histone H3 acetyltransferase activity (PMID:16387653, PMID:24065767, PMID:27939640). BRPF1 plays a key role in HBO1 complex by directing KAT7/HBO1 specificity towards histone H3 'Lys-14' acetylation (H3K14ac) (PMID:24065767). And BRPF1 positively regulates the transcription of RUNX1 and RUNX2 (PMID:18794358).

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

*** 20ul sizes contain 0.1% BSA

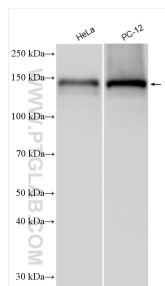
For technical support and original validation data for this product please contact:

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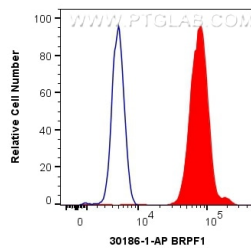
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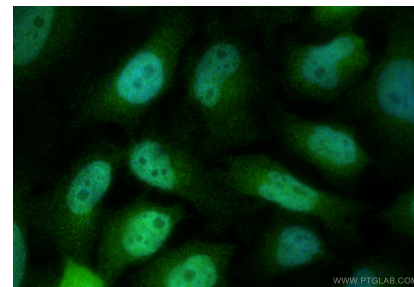
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30186-1-AP (BRPF1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g Anti-Human BRPF1 (30186-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using BRPF1 antibody (30186-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).