For Research Use Only

PHF19 Recombinant antibody

Catalog Number:83892-3-RR

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Basic Information

Catalog Number:
83892-3-RR

Size:
600 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2511

GenBank Accession Number:
BC022374

GeneID (NCBI):
26147

UNIPROT ID:
Q5T6S3

Full Name:
PHD finger protein 19

Calculated MW:
580 aa, 63 kDa

Observed MW:
62-66 kDa

Purification Method:
Protein A purification

CloneNo.:
241047D7

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : A375 cells, HeLa cells, HEK-293T cells, NCCIT cells, U-251 cells

Background Information

PHD FINGER PROTEIN 19(PHF19), a protein homologous to the Drosophila 'Polycomblike' (Pcl) protein, encoded by human gene PCL, which encodes 2 deduced proteins: a short form of 207 aa and a long form of 580 aa. The PCL family proteins contains a PCL homology domain, a Tudor domain, 2 PHD fingers and a C-terminal tail. It is highly expressed in thymus and heart, while 508aa form predominant in placenta, skeletal muscle and kidney and 207aa form in liver and peripheral blood leukocytes. Both of these forms can inhibit transcriptional activity. And the long form is corelated with cancer.Acts as a transcritpional repressor. The mRNA level of PHF19 is low in many normal tissue, it's elevated in cancer-derived cell lines.

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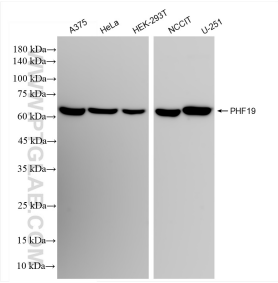
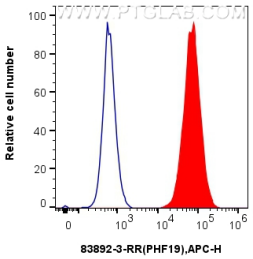
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

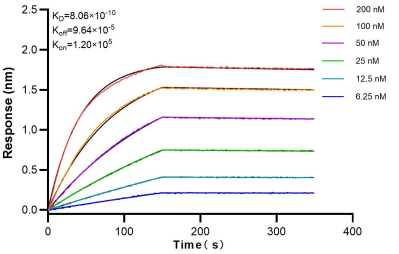
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83892-3-RR (PHF19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10^6 A549 cells were intracellularly stained with 0.25 ug PHF19 Recombinant antibody (83892-3-RR, Clone:241047D7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83892-3-RR against Human PHF19 were performed. The affinity constant is 0.806 nM.