For Research Use Only

KLF9 Recombinant monoclonal antibody

Catalog Number:83183-4-RR

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Basic Information

Catalog Number:
83183-4-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34411

GenBank Accession Number:
BC074880

GeneID (NCBI):
687

UNIPROT ID:
Q13886

Full Name:
Kruppel-like factor 9

Calculated MW:
27 kDa

Observed MW:
27-35 kDa

Purification Method:
Protein A purification

CloneNo.:
230436H2

Recommended Dilutions:
WB: 1:5000-1:50000
FC (Intra): 0.25 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, K-562 cells, HepG2 cells, A549 cells, U2OS cells

FC (Intra) : A549 cells,

Background Information

Krüppel-like factor 9 (KLF9) was a member of SP/KLF family of DNA-binding transcriptional regulators featured by a highly homologous C-terminal three C2H2-type zinc finger DNA-binding domains. KLF9 has been previously reported to be downregulated in various types of human malignancy and serves as a tumour suppressor at tumour onset and development, affecting cell proliferation, apoptosis, metastasis and tumorigenicity (PMID: 32855660).

Storage

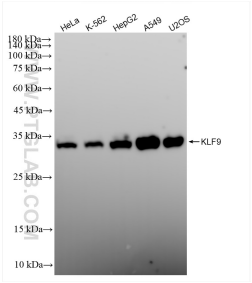
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

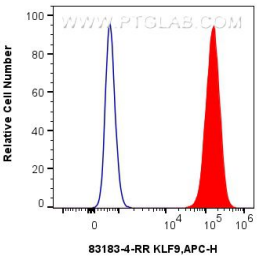
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

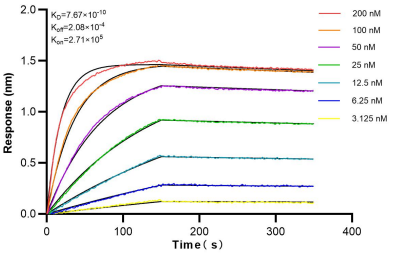
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83183-4-RR (KLF9 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 KLF9 Recombinant antibody (83183-4-RR, Clone:230436H2) 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 83183-4-RR against Human KLF9 were performed. The affinity constant is 0.767 nM.