

For Research Use Only

KIAA1217 Recombinant monoclonal antibody

Catalog Number: 83361-2-RR

Featured Product



Basic Information

Catalog Number:

83361-2-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19367

GenBank Accession Number:

BC018764

GeneID (NCBI):

56243

UNIPROT ID:

Q5T5P2

Full Name:

KIAA1217

Calculated MW:

1943 aa, 214 kDa

Observed MW:

100-110, 140-160, 210

Purification Method:

Protein A purification

CloneNo.:

240276F3

Recommended Dilutions:

WB: 1:5000-1:50000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells

FC (Intra) : MCF-7 cells,

Background Information

KIAA1217, sickle tail protein homolog, is required for normal development of intervertebral disks. It promotes epithelial-mesenchymal transition and hepatocellular carcinoma metastasis by interacting with and activating STAT3, indicating its potential as a therapeutic target for curbing HCC metastasis (PMID: 35008530). It is also a novel candidate gene associated with isolated and syndromic vertebral malformations (PMID: 32369272). KIAA1217 has 9 alternatively spliced isoforms of 100-110 kDa, 140-160 kDa, 210 kDa.

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

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

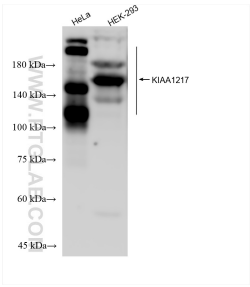
T: 4006900926

E: Proteintech-CN@ptglab.com

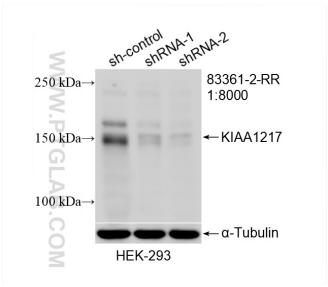
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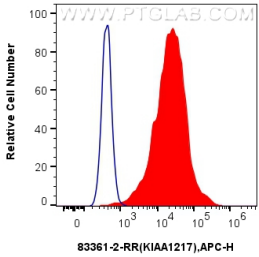
Selected Validation Data



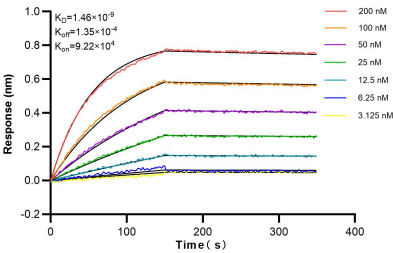
Various lysates were subjected to SDS PAGE followed by western blot with 83361-2-RR (KIAA1217 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of KIAA1217 antibody (83361-2-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KIAA1217 transfected HEK-293 cells.



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug KIAA1217 Recombinant antibody (83361-2-RR, Clone:240276F3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 83361-2-RR against Human KIAA1217 were performed. The affinity constant is 1.46 nM.