

For Research Use Only

# ILK Recombinant antibody, PBS Only

Catalog Number: 85428-5-PBS



## Basic Information

Catalog Number:

85428-5-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3570

GenBank Accession Number:

BC001554

GeneID (NCBI):

3611

UNIPROT ID:

Q13418

Full Name:

integrin-linked kinase

Calculated MW:

451 aa, 59 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

242982A5

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, pig

## Background Information

ILK(Integrin-linked protein kinase) is also named as p59, PAT-4, DKFZp686F1765, ILK-1, ILK-2, ILK1, ILK2, p59ILK and belongs to the TKL Ser/Thr protein kinase family. This protein localizes to multiple sites, including the cytoplasm, and imports into the nucleus through sequences in its N-terminus, via active transport mechanisms that involve nuclear pore complexes(PMID: 18635968). ILK performs crucial roles in the control of intestinal cell and crypt-villus axis homeostasis-especially with regard to basement membrane fibronectin deposition-as well as cell proliferation, spreading, and migration(PMID:19885839).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

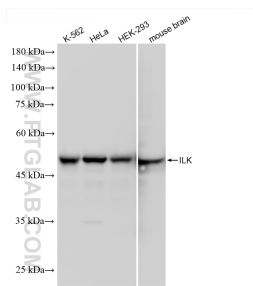
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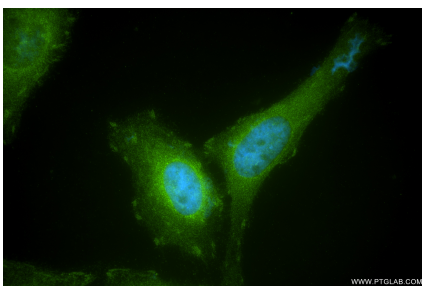
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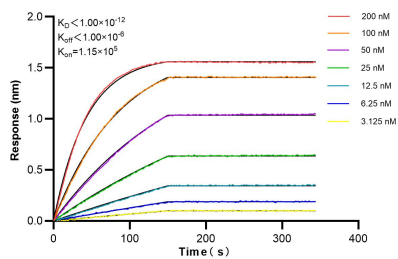
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85428-5-RR (ILK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85428-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ILK antibody (85428-5-RR, Clone: 242982A5) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85428-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85428-5-RR against Human ILK were performed. The affinity constant is below 1 pM.