

For Research Use Only

ILK Monoclonal antibody

Catalog Number: 67724-1-Ig **1 Publications**



Basic Information

Catalog Number: 67724-1-Ig	GenBank Accession Number: BC001554	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 211 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3611	CloneNo.: 1E10E4
Source: Mouse	UNIPROT ID: Q13418	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: integrin-linked kinase	
Immunogen Catalog Number: AG21289	Calculated MW: 451 aa, 59 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : U2OS cells, human placenta tissue, human peripheral blood platelets, rat colon tissue, mouse colon tissue, pig colon tissue, HepG2 cells, HeLa cells, HEK-293 cells, K-562 cells IHC : human skin cancer tissue,
Cited Applications: WB, IP	
Species Specificity: human, mouse, rat, pig	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yesheng Fu	38582895	Nat Commun	WB,IP

Storage

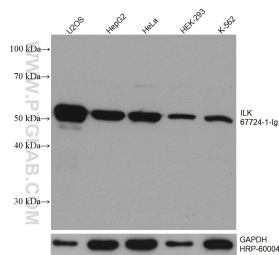
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

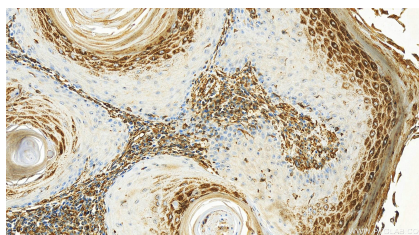
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67724-1-Ig (ILK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 67724-1-Ig (ILK antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).