

For Research Use Only

PSPC1 Recombinant antibody, PBS Only

Catalog Number: 84657-4-PBS



Basic Information

Catalog Number: 84657-4-PBS	GenBank Accession Number: BC014184	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 55269	CloneNo.: 242158G7
Source: Rabbit	UNIPROT ID: Q8WXF1	
Isotype: IgG	Full Name: paraspeckle component 1	
Immunogen Catalog Number: AG10136	Calculated MW: 523 aa, 59 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

PSPC1 (paraspeckle component 1), a known paraspeckle biomarker, is a putative transcription factor that belongs to the Drosophila behavior/human splicing (DBHS) family. PSPC1 was recently identified as a contextual determinant of tumor progression in multiple cancer types involving oncogenic reprogramming to switch proapoptotic TGF- β to prometastatic TGF- β via hijacking of Smad2/3 targeting. Upregulated PSPC1 is correlated with advanced tumor stages and poor survival of patients with breast, lung, and liver cancers. Upregulated PSPC1 potentiates expression of mesenchymal markers, EMT transcription factors (EMT-TF), cancer stem-like cell transcription factors (CSC-TF), and c-Myc-related proliferation genes, thus promoting migration, invasion, spheroid formation, tumor formation, and metastasis.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

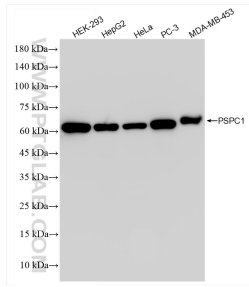
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

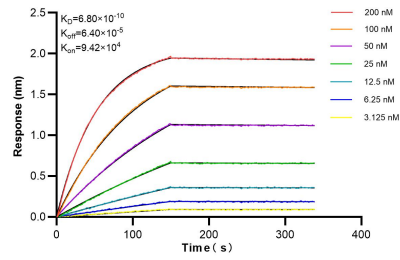
E: proteintech@ptglab.com
W: ptglab.com

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 84657-4-RR (PSPC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84657-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84657-4-RR against Human PSPC1 were performed. The affinity constant is 0.68 nM.