

For Research Use Only

TEAD4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84932-4-PBS



Basic Information

Catalog Number: 84932-4-PBS	GenBank Accession Number: BC015497	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7004	CloneNo.: 242496B2
Source: Rabbit	UNIPROT ID: Q15561	
Isotype: IgG	Full Name: TEA domain family member 4	
Immunogen Catalog Number: AG3059	Calculated MW: 434 aa, 48 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:
WB, IF/ICC, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84932-4-PBS targets TEAD4 as part of a matched antibody pair:

MP01682-3: 84932-5-PBS capture and 84932-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

TEAD4 belongs to a protein family that shares the TEA/ATTS domain. The transcriptional activity of TEAD4 required several regions of the proteins, a TBP-associated factor, and a limiting transcriptional intermediary factor. TEAD4 also performs an essential role in the Hippo signaling pathway. TEAD4 regulates gene expression of YAP1 and WWTR1/TAZ, thus mediating cell proliferation, migration, and epithelial-mesenchymal transition induction. The calculated molecular weight of TEAD4 is 48 kDa, but the molecular weight of TEAD4 is detected at about 50-55 kDa.

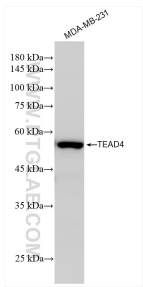
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

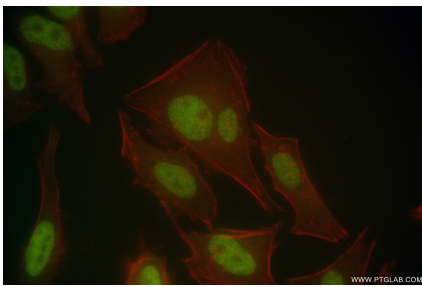
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

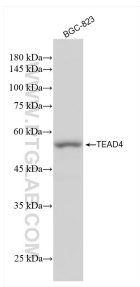
Selected Validation Data



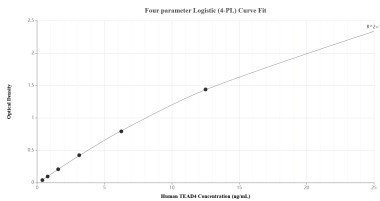
MDA-MB-231 cells were subjected to SDS PAGE followed by western blot with 84932-4-RR (TEAD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84932-4-PBS in a different storage buffer formulation.



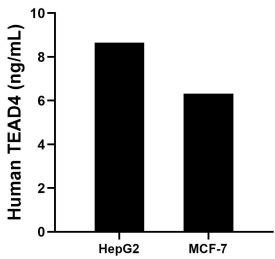
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TEAD4 antibody (84932-4-RR, Clone: 242496B2) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84932-4-PBS in a different storage buffer formulation.



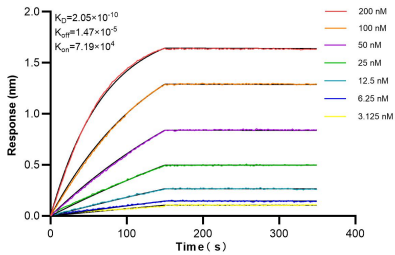
BGC-823 cells were subjected to SDS PAGE followed by western blot with 84932-4-RR (TEAD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84932-4-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01682-3, Human TEAD4 Recombinant Matched Antibody Pair - PBS only. 84932-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag3059. 84932-4-PBS was HRP conjugated as the detection antibody. Range: 0.391-25 ng/mL.



The mean TEAD4 concentration was determined to be 8.65 ng/mL in HepG2 cell extract based on a 1.00 mg/mL extract load and 6.31 ng/mL in MCF-7 cell extract based on a 1.20 mg/mL extract load.



Biolayer interferometry (BLI) kinetic assays of 84932-4-RR against Human TEAD4 were performed. The affinity constant is 0.205 nM.