

For Research Use Only

TFDP2 Recombinant antibody, PBS Only

Catalog Number: 84408-4-PBS



Basic Information

Catalog Number: 84408-4-PBS	GenBank Accession Number: BC021113	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7029	CloneNo.: 241457A12
Source: Rabbit	UNIPROT ID: Q14188	
Isotype: IgG	Full Name: transcription factor Dp-2 (E2F dimerization partner 2)	
Immunogen Catalog Number: AG2054	Calculated MW: 446 aa, 49 kDa	

Applications

Tested Applications:
IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

TFDP2, also known as E2FDP2, is a coactivator of E2F factors and involves in EGF or IFN-gamma-mediated effects by enhancing or reducing active heterodimeric complexes. The DP2/E2F complex functions in the control of cell-cycle progression from G1 to S phase. The E2F1/DP complex appears to mediate both cell proliferation and apoptosis [PMID:16360038]. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of several genes whose products are involved in cell cycle regulation or DNA replication [PMID:16721044].

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

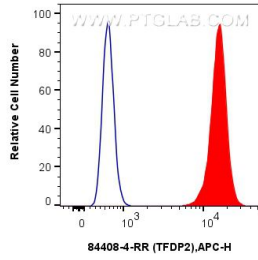
For technical support and original validation data for this product please contact:

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

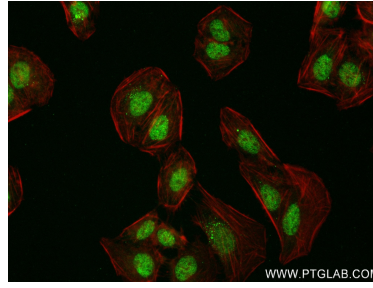
E: proteintech@ptglab.com
W: ptglab.com

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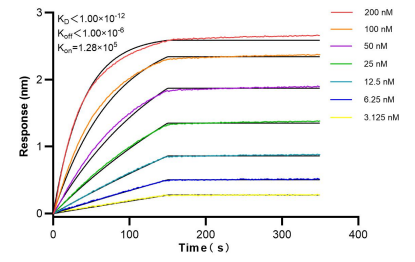
Selected Validation Data



1x10⁶ A431 cells were intracellularly stained with 0.25 ug TFDP2 Recombinant antibody (84408-4-RR, Clone:241457A12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84408-4-PBS in a different storage buffer



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using TFDP2 antibody (84408-4-RR, Clone: 241457A12) at dilution of 1:400 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 84408-4-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 84408-4-RR against Human TFDP2 were performed. The affinity constant is below 1 pM.