

For Research Use Only

FOXC2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83476-5-PBS



Basic Information

Catalog Number: 83476-5-PBS	GenBank Accession Number: NM_005251	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 2303	CloneNo.: 240403H7
Source: Rabbit	UNIPROT ID: Q99958	
Isotype: IgG	Full Name: forkhead box C2 (MFH-1, mesenchyme forkhead 1)	
Immunogen Catalog Number: AG33121	Calculated MW: 54kd	

Applications

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

Species Specificity:
human

Background Information

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

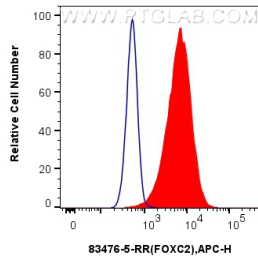
T: 4006900926

E: Proteintech-CN@ptglab.com

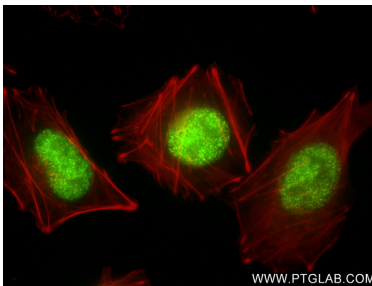
W: ptgcn.com

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

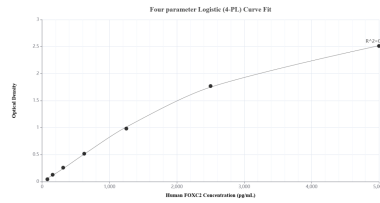
Selected Validation Data



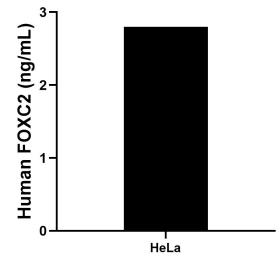
1x10⁶ HeLa cells were intracellularly stained with 0.25 ug FOXC2 Recombinant antibody (83476-5-RR, Clone:240403H7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83476-5-PBS in a different storage buffer formulation.



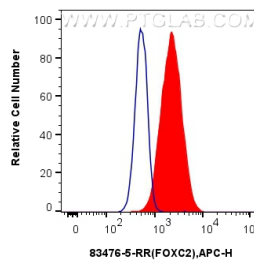
Immunofluorescent analysis of (4% PFA) fixed A375 cells using FOXC2 antibody (83476-5-RR, Clone: 240403H7) at dilution of 1:300 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83476-5-PBS in a different storage buffer formulation.



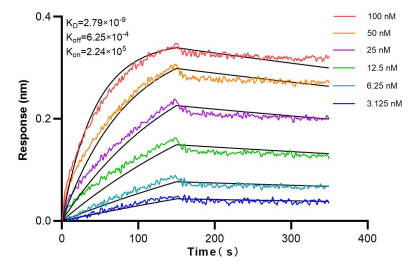
Sandwich ELISA standard curve of MP00470-4, Human FOXC2 Recombinant Matched Antibody Pair - PBS only. 83476-7-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag33121. 83476-5-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL



The mean FOXC2 concentration was determined to be 2.8 ng/mL in HeLa cell extract based on a 1.5 mg/mL extract load.



1x10⁶ A549 cells were intracellularly stained with 0.25 ug FOXC2 Recombinant antibody (83476-5-RR, Clone:240403H7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83476-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83476-5-RR against Human FOXC2 were performed. The affinity constant is 2.79 nM.