

For Research Use Only

FGFR2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84205-4-PBS



Basic Information

Catalog Number: 84205-4-PBS	GenBank Accession Number: NM_000141.4	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2263	CloneNo.: 241383G9
Source: Rabbit	UNIPROT ID: P21802	
Isotype: IgG	Full Name: fibroblast growth factor receptor 2	
	Calculated MW: 92kd	
	Observed MW: 85 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84205-4-PBS targets FGFR2 as part of a matched antibody pair:

MP01128-1: 84205-3-PBS capture and 84205-4-PBS detection (validated in Cytometric bead array)

MP01128-3: 84205-2-PBS capture and 84205-4-PBS detection (validated in Cytometric bead array)

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

FGFR2 (Fibroblast growth factor receptor 2) is a tyrosine-protein kinase that acts as a cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of cell proliferation, differentiation, migration, and apoptosis. Ligand binding leads to the activation of several signaling pathways, such as RAS, MAPK1/ERK2, MAPK3/ERK1, and the MAP Kinase signaling pathway, as well as the AKT1 signaling pathway. Mutations in the gene of FGFR2 are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis.

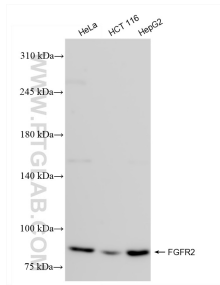
Storage

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

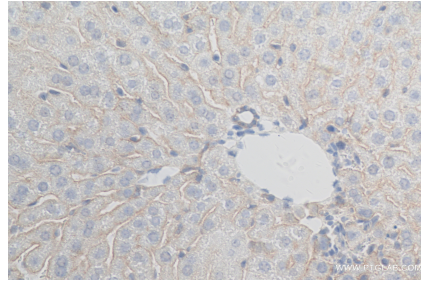
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

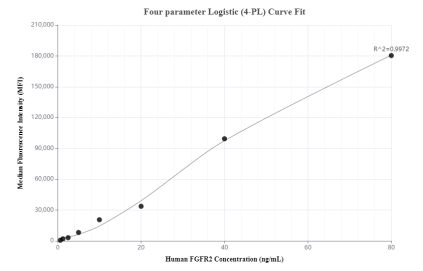
Selected Validation Data



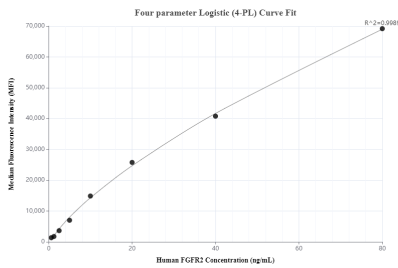
Various lysates were subjected to SDS PAGE followed by western blot with 84205-4-RR (FGFR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84205-4-PBS in a different storage buffer formulation.



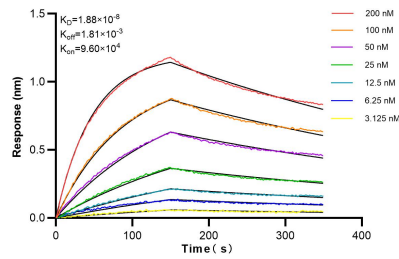
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 84205-4-RR (FGFR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84205-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01128-1, FGFR2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84205-3-PBS. Detection antibody: 84205-4-PBS. Standard: Eg1265. Range: 0.625-80 ng/mL.



Cytometric bead array standard curve of MP01128-3, FGFR2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84205-2-PBS. Detection antibody: 84205-4-PBS. Standard: Eg1265. Range: 0.625-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84205-4-RR against Human FGFR2 were performed. The affinity constant is 18.8 nM.