

PFKFB2 Recombinant Rabbit Monoclonal Antibody (2H2L15)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	2H2L15
Conjugate	Unconjugated
Immunogen	Peptides corresponding to human PFKFB2 [1) aa490-aa505 2) aa6-aa22]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2724996

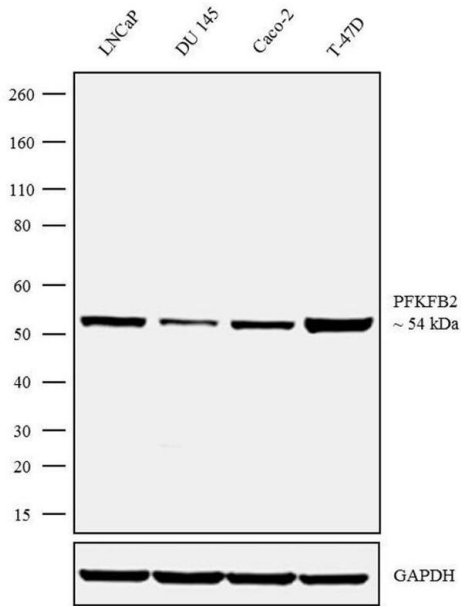
Applications	Tested Dilution	Publications
Western Blot (WB)	1:200	-

Product Specific Information

This antibody is predicted to react with Monkey, Dog, Pig, Cat.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For PFKFB2 Recombinant Rabbit Monoclonal Antibody (2H2L15)

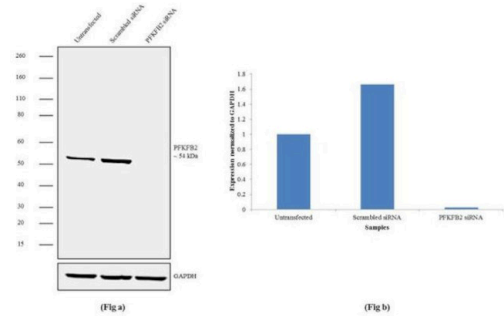


PFKFB2 Antibody (702447) in WB

Western blot analysis was performed on membrane enriched extracts (60 µg lysate) of LNCaP (Lane 1), DU 145 (Lane 2), Caco-2 (Lane 3) and T-47D (Lane 4). The blot was probed with Anti-PFKFB2 Recombinant Rabbit Monoclonal Antibody (Product # 702447, 1:200 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution). A ~54 kDa band corresponding to PFKFB2 was observed across the cell lines tested.

PFKFB2 Antibody (702447)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. T-47D cells were transfected with PFKFB2 siRNA and decrease in signal intensity was observed in Western blot application using Anti-PFKFB2 Recombinant Rabbit Polyclonal Antibody (Product # 702447). {KD}



PFKFB2 Antibody (702447) in WB

Knockdown of PFKFB2 was achieved by transfecting T-47D cells with PFKFB2 specific siRNA (Silencer® select Product # s10355). Western blot analysis (Fig a) was performed using Whole cell extracts from the T-47D knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blots were probed with Anti-PFKFB2 Recombinant Rabbit Polyclonal Antibody (Product # 702447, 1:200 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution). Densitometric analysis of this Western blot is shown in histogram (Fig b). Loss of signal upon siRNA mediated knock down confirms that antibody is specific to PFKFB2.

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