

For Research Use Only

# FNIP2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84371-2-PBS



## Basic Information

<b>Catalog Number:</b> 84371-2-PBS	<b>GenBank Accession Number:</b> BC166693	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57600	<b>CloneNo.:</b> 241638F2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9P278	
<b>Isotype:</b> IgG	<b>Full Name:</b> folliculin interacting protein 2	
<b>Immunogen Catalog Number:</b> AG35014	<b>Observed MW:</b> 125 kda	

## Applications

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

**Species Specificity:**  
human

## Product Information

84371-2-PBS targets FNIP2 as part of a matched antibody pair:

MP01240-1: 84371-2-PBS capture and 84371-1-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

Folliculin (FLCN)-interacting proteins 1 and 2 (FNIP1, FNIP2) are homologous binding partners of FLCN, a tumor suppressor for kidney cancer. FNIP2 was found to bind to the C terminus of FLCN and to AMPK, like FNIP1. FNIP2 competes with the activating co-chaperone AHSA1 for binding to HSP90AA1, thereby providing a reciprocal regulatory mechanism for chaperoning of client proteins (PMID: 18403135).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

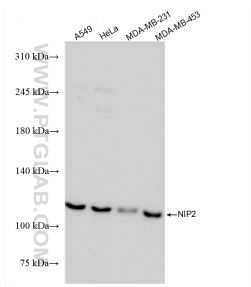
For technical support and original validation data for this product please contact:

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

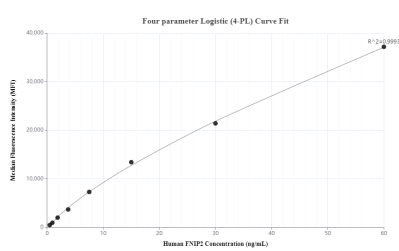
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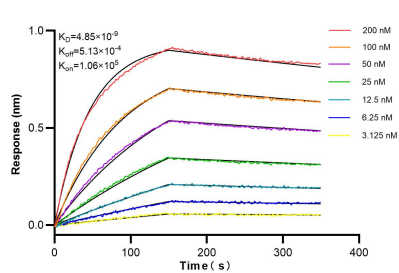
Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 84371-2-RR (FNIP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84371-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01240-1, FNIP2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84371-2-PBS. Detection antibody: 84371-1-PBS. Standard: Ag35014. Range: 0.469-60 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84371-2-RR against Human FNIP2 were performed. The affinity constant is 4.85 nM.