

For Research Use Only

# ATF1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87421-3-PBS



## Basic Information

<b>Catalog Number:</b> 87421-3-PBS	<b>GenBank Accession Number:</b> BC029619	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 466	<b>CloneNo.:</b> 252816C10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18846	
<b>Isotype:</b> IgG	<b>Full Name:</b> activating transcription factor 1	
<b>Immunogen Catalog Number:</b> AG2548	<b>Calculated MW:</b> 271 aa, 29 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

87421-3-PBS targets ATF1 as part of a matched antibody pair:

MP03034-1: 87421-3-PBS capture and 87421-2-PBS detection (validated in Cytometric bead array)

MP03034-2: 87421-3-PBS capture and 87421-4-PBS detection (validated in Sandwich ELISA)

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.

## Storage

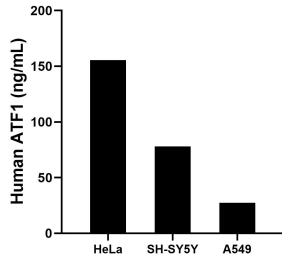
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

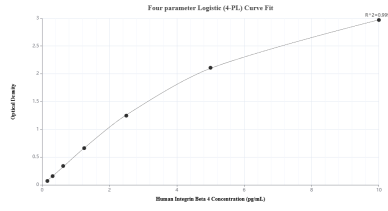
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com) W: [ptglab.com](http://ptglab.com)

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

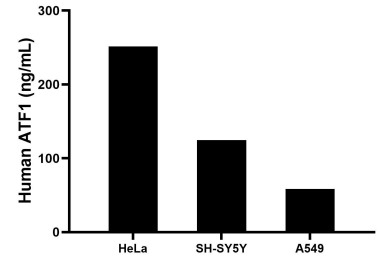
## Selected Validation Data



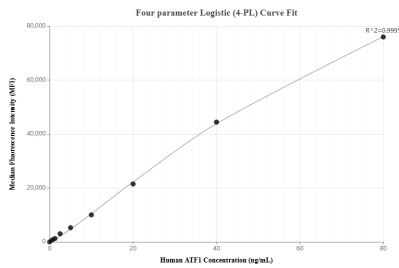
The mean ATF1 concentration was determined to be 155.59 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 78.17 ng/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load and 27.49 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03034-2, Human ATF1 Recombinant Matched Antibody Pair - PBS only. 87421-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag2548. 87421-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



The mean ATF1 concentration was determined to be 251.5 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 124.3 ng/mL in SH-SY5Y cell extract based on a 1.2 mg/mL extract load, 58.4 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03034-1, ATF1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87421-3-PBS. Detection antibody: 87421-2-PBS. Standard: Ag2548. Range: 0.625-80 ng/mL