

For Research Use Only

GATA3 Recombinant antibody

Catalog Number: 83808-1-RR



Basic Information

Catalog Number: 83808-1-RR	GenBank Accession Number: BC003070	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2625	CloneNo.: 240684A2
Source: Rabbit	UNIPROT ID: P23771	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: GATA binding protein 3	
Immunogen Catalog Number: AG0174	Calculated MW: 443 aa, 48 kDa	
	Observed MW: 37 kDa and 48 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : EL-4 cells, MCF-7 cells, SH-SY5Y cells, T-47D cells
Species Specificity: human, mouse	

Background Information

Trans-acting T-cell-specific transcription factor, also known as GATA3, belongs to the zinc-finger transcription factor GATA family which drives the differentiation of T helper (Th) 2 cells. GATA factors are expressed in a tissue-specific manner and GATA3 is present in both hematopoietic (e.g., T cells) and non-hematopoietic tissues, including the kidney, central nervous system, skin, and mammary gland (PMID: 25148023). GATA3 plays a central role in Th2 responses both in vitro and in vivo (PMID: 16467870). The full-length GATA3 protein contains 444 aa corresponding to the molecular weights of 48 kDa, and the truncated protein was detected at approximately 37 kDa (PMID: 24758297).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

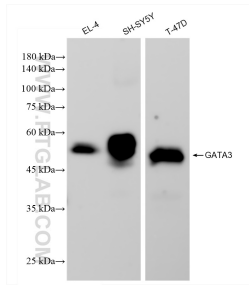
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E: Proteintech-CN@ptglab.com

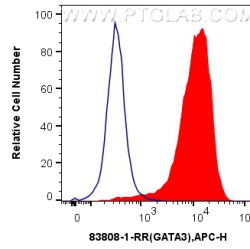
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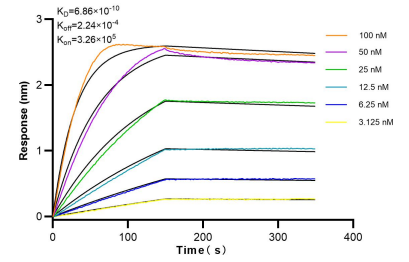
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83808-1-RR (GATA3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1×10^6 Jurkat cells were intracellularly stained with 0.25 μ g GATA3 Recombinant antibody (83808-1-RR, Clone:240684A2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83808-1-RR against Human GATA3 were performed. The affinity constant is 0.686 nM.