

For Research Use Only

GATA3 Polyclonal antibody

Catalog Number: 22343-1-AP **1 Publications**



Basic Information

Catalog Number: 22343-1-AP	GenBank Accession Number: BC006793	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 2625	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	Full Name: GATA binding protein 3	
Isotype: IgG	Calculated MW: 443 aa, 48 kDa	
Immunogen Catalog Number: AG17833	Observed MW: 37 kDa, 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, mouse thymus tissue
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: mouse	

Background Information

Trans-acting T-cell-specific transcription factor, also known as GATA-3, 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). GATA-3 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 48,0 kDa, and the truncated protein was detected at approximately 37 kDa (PMID: 24758297).

Notable Publications

Author	Pubmed ID	Journal	Application
Tao Yang	33340526	Life Sci	WB

Storage

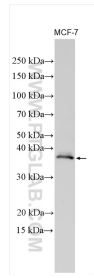
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

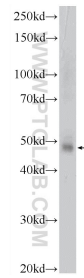
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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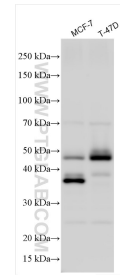
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



mouse thymus tissue was subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.