

For Research Use Only

GATA3 Polyclonal antibody

Catalog Number: 10417-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number: 10417-1-AP	GenBank Accession Number: BC003070	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 500 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2625	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P23771	
Isotype: IgG	Full Name: GATA binding protein 3	
Immunogen Catalog Number: AG0174	Calculated MW: 443 aa, 48 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, IHC : human breast cancer tissue,
Cited Applications: WB, ChIP	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

GATA3 is a transcriptional factor that binds to the enhancer elements of all 4 T-cell antigen receptor genes. GATA3 is highly expressed in naive, freshly activated cells and Th2 lineage cells and thought to be necessary and sufficient for Th2 cytokine gene expression. GATA3 and TBET interfere with each other to regulate gene expression. This is a rabbit polyclonal antibody raised against part of C-terminus of human GATA3.

Notable Publications

Author	Pubmed ID	Journal	Application
Shi-Jie Bi	34508802	J Ethnopharmacol	
Mengheng Wang	34539800	Evid Based Complement Alternat Med	
Weiwei Sheng	29072694	Cell Death Dis	WB

Storage

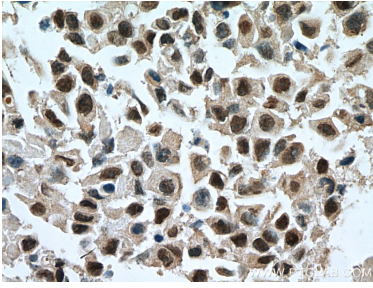
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

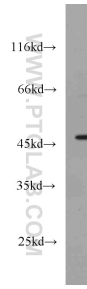
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10417-1-AP (GATA3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MCF-7 cells were subjected to SDS PAGE followed by western blot with 10417-1-AP (GATA3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.