

For Research Use Only

GATA3 Monoclonal antibody

Catalog Number: 66400-1-Ig **17 Publications**



Basic Information

Catalog Number: 66400-1-Ig	GenBank Accession Number: BC003070	Purification Method: Protein A purification
Size: 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2625	CloneNo.: 1B11A8
Source: Mouse	UNIPROT ID: P23771	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF-P 1:50-1:500 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: GATA binding protein 3	
Immunogen Catalog Number: AG0174	Calculated MW: 443 aa, 48 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells, Jurkat cells, RAW 264.7 cells IHC : human breast cancer tissue, human colon cancer tissue IF-P : human breast cancer tissue, IF/ICC : MCF-7 cells, HepG2 cells
Cited Applications: WB, IHC, IF, ColP	
Species Specificity: human, mouse	
Cited Species: human, mouse, rat, pig	
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.

Notable Publications

Author	Pubmed ID	Journal	Application
Muhua Huang	34493162	Pharm Biol	WB
Diego R Coelho	35858297	Proc Natl Acad Sci U S A	WB, ColP
Zhi-Wen Zeng	35776292	Chin J Integr Med	IHC

Storage

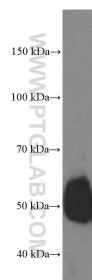
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

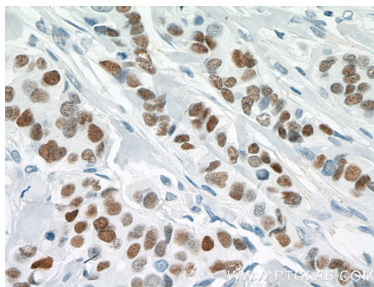
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

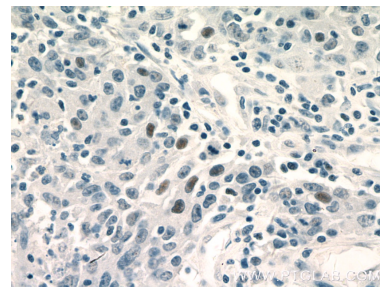
Selected Validation Data



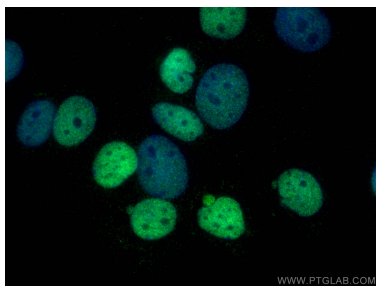
MCF-7 cells were subjected to SDS PAGE followed by western blot with 66400-1-Ig (GATA3 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



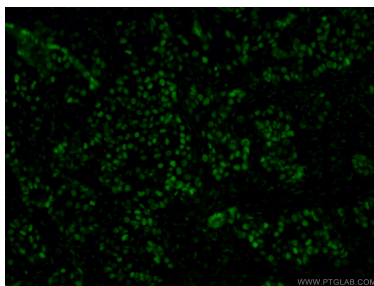
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66400-1-Ig (GATA3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66400-1-Ig (GATA3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using GATA3 antibody (66400-1-Ig, Clone: 1B11A8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using 66400-1-Ig (GATA3 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).