

For Research Use Only

GATA3 Polyclonal antibody

Catalog Number: 10417-1-AP

Featured Product

24 Publications



Basic Information

Catalog Number:

10417-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0174

GenBank Accession Number:

BC003070

GeneID (NCBI):

2625

Full Name:

GATA binding protein 3

Calculated MW:

443 aa, 48 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

ChIP, WB

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

Positive Controls:

WB : MCF7 cells, HeLa cells, MCF-7 cells

IHC : human breast cancer tissue, human colon cancer tissue

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	IHC
Mengheng Wang	34539800	Evid Based Complement Alternat Med	IHC
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

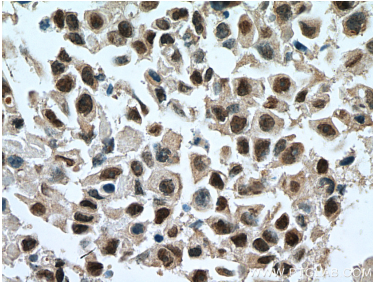
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

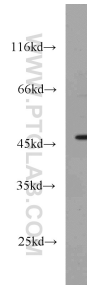
E: proteintech@ptglab.com
W: ptglab.com

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).



MCF7 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.