

GATA3 Polyclonal antibody

Catalog Number: 22343-1-AP

1 Publications

Basic Information

Catalog Number:

22343-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17833

GenBank Accession Number:

BC006793

GeneID (NCBI):

2625

UNIPROT ID:

P23771

Full Name:

GATA binding protein 3

Calculated MW:

443 aa, 48 kDa

Observed MW:

37 kDa and 48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB : MCF-7 cells, mouse thymus tissue

IF/ICC : MCF-7 cells,

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

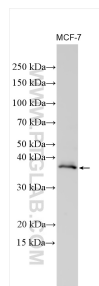
For technical support and original validation data for this product please contact:

T: 4006900926

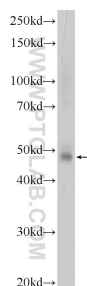
E: Proteintech-CN@ptglab.comW: ptgcn.com

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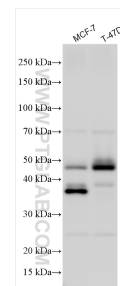
Selected Validation Data



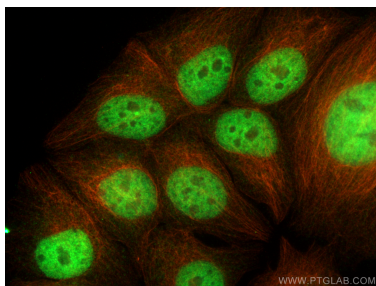
MCF-7 cells were subjected to SDS PAGE followed by western blot with 22343-1-AP (GATA3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



mouse thymus tissue were 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.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using GATA3 antibody (22343-1-AP) at dilution of 1:600 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).