

GATA3 Antibody (clone 7B5)
Mouse Monoclonal Antibody
Catalog # ALS13209

Specification

GATA3 Antibody (clone 7B5) - Product Information

Application	IHC
Primary Accession	P23771
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	48kDa KDa

GATA3 Antibody (clone 7B5) - Additional Information

Gene ID 2625

Other Names

Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, GATA3

Target/Specificity

Human GATA3

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GATA3 Antibody (clone 7B5) is for research use only and not for use in diagnostic or therapeutic procedures.

GATA3 Antibody (clone 7B5) - Protein Information

Name GATA3

Function

Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. Positively regulates ASB2 expression (By similarity). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages.

Cellular Location

Nucleus.

Tissue Location

T-cells and endothelial cells.

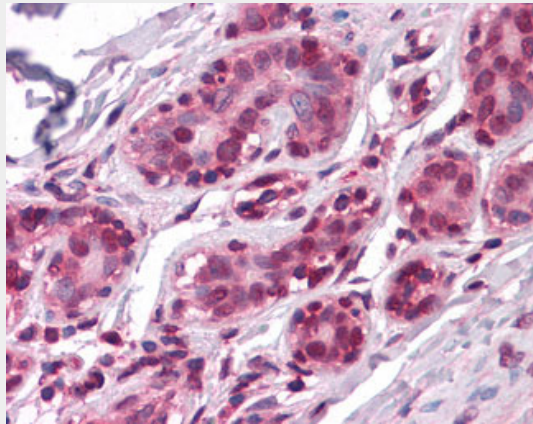
Volume
50 µl

GATA3 Antibody (clone 7B5) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GATA3 Antibody (clone 7B5) - Images



Anti-GATA3 antibody IHC of human breast.

GATA3 Antibody (clone 7B5) - Background

Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses.

GATA3 Antibody (clone 7B5) - References

Joulin V., et al. *EMBO J.* 10:1809-1816(1991).
Ho I.-C., et al. *EMBO J.* 10:1187-1192(1991).
Ko L.J., et al. *Mol. Cell. Biol.* 11:2778-2784(1991).
Marine J., et al. *Proc. Natl. Acad. Sci. U.S.A.* 88:7284-7288(1991).
Deloukas P., et al. *Nature* 429:375-381(2004).