

Anti-GATA3 (pS308) Antibody
Rabbit polyclonal antibody to GATA3 (pS308)
Catalog # AP60291

Specification

Anti-GATA3 (pS308) Antibody - Product Information

Application	WB, IF
Primary Accession	P23771
Other Accession	P23772
Reactivity	Human, Mouse, Zebrafish, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47916

Anti-GATA3 (pS308) Antibody - Additional Information

Gene ID 2625

Other Names

Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3

Target/Specificity

Recognizes endogenous levels of GATA3 (pS308) protein.

Dilution

WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

IF~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-GATA3 (pS308) Antibody - 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.

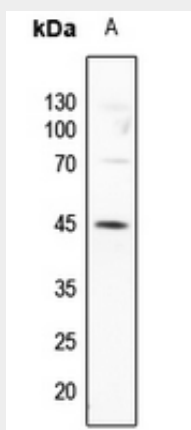
Tissue Location

T-cells and endothelial cells.

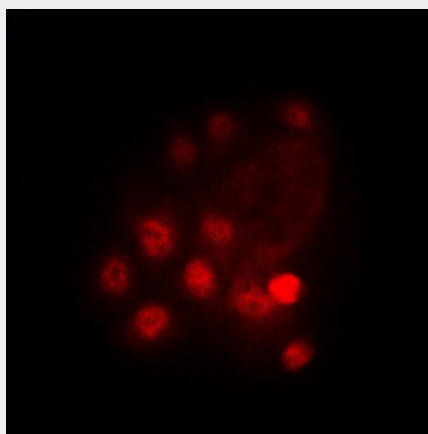
Anti-GATA3 (pS308) Antibody - Protocols

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](#)

Anti-GATA3 (pS308) Antibody - Images

Western blot analysis of GATA3 (pS308) expression in zebrafish (A) whole cell lysates.



Immunofluorescent analysis of GATA3 (pS308) staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and

incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-GATA3 (pS308) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GATA3 (pS308). The exact sequence is proprietary.