

# Anti-GATA3 (pS308) Antibody

Rabbit polyclonal antibody to GATA3 (pS308)

Catalog # AP60291

## Product Information

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<b>Application</b>	WB, IF/IC
<b>Primary Accession</b>	<a href="#">P23771</a>
<b>Other Accession</b>	<a href="#">P23772</a>
<b>Reactivity</b>	Human, Mouse, Zebrafish, Pig, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	47916

## Additional Information

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<b>Gene ID</b>	2625
<b>Other Names</b>	Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3
<b>Target/Specificity</b>	Recognizes endogenous levels of GATA3 (pS308) protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	GATA3
<b>Function</b>	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.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	T-cells and endothelial cells.

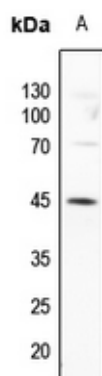
## Background

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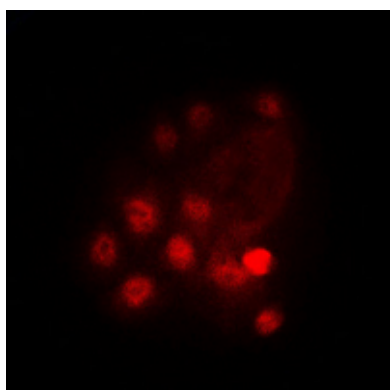
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GATA3 (pS308). The exact sequence is proprietary.

## Images

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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.