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Anti-GATA3 (Phospho-S308) Antibody

Catalog # AP60291

Product Information

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

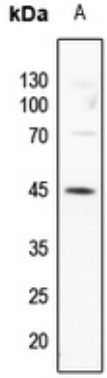
Additional Information

Gene ID	2625
Other Names	Trans-acting T-cell-specific transcription factor GATA-3; GATA-binding factor 3
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S308 of human GATA3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

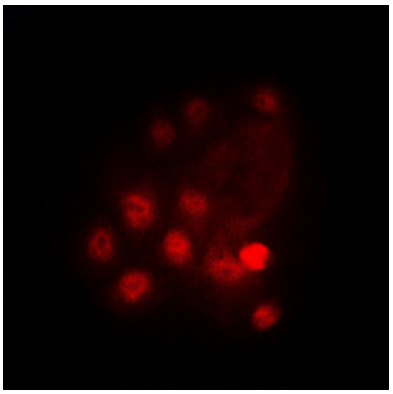
Protein Information

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.

Images



Western blot analysis of GATA3 (Phospho-S308) expression in zebrafish (A) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 55; 40 kD)



Immunofluorescent analysis of GATA3 (Phospho-S308) 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 hidified 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'.