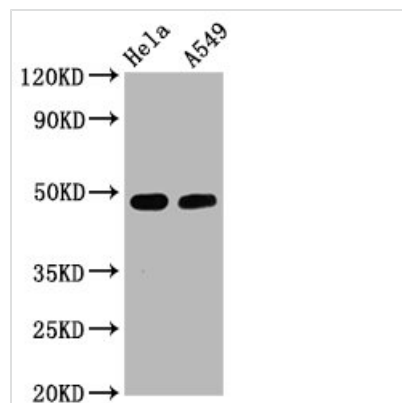




# Phospho-GATA3 (S308) Antibody

<b>Product Code</b>	CSB-RA009276A308phHU
<b>Abbreviation</b>	Trans-acting T-cell-specific transcription factor GATA-3
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P23771
<b>Immunogen</b>	A synthesized peptide derived from Human Phospho-GATA3 (S308)
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
<b>Relevance</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.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Alias</b>	Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, GATA3
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	GATA3
<b>Accession NO.</b>	1E5

## Image



### Western Blot

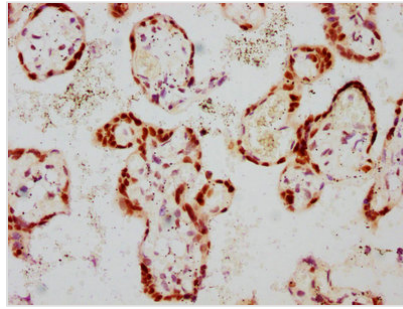
Positive WB detected in HeLa whole cell lysate, A549 whole cell lysate

All lanes Phospho-GATA3 antibody at 2.5µg/ml  
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 48 KDa

Observed band size: 48 KDa



IHC image of CSB-RA009276A308phHU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

## Description

CUSABIO put the phospho-GATA3 (S308) monoclonal antibody DNA sequence into the plasmid, which was subsequently transfected into the cell line for expression. Immunizing mice with the synthetic phospho-peptide corresponding to residues surrounding Ser 308 of human GATA3 produced the phospho-GATA3 (S308) monoclonal antibody. The recombinant phospho-GATA3 (S308) monoclonal antibody was obtained after the product was purified using affinity chromatography. It's a rabbit IgG antibody. This phospho-GATA3 (S308) antibody has undergone ELISA, WB, and IHC quality testings. It is reactive with human samples. This anti-pSer308-GATA3 antibody may be used to address the functional role of GATA3 phosphorylation.

GATA3 is mostly expressed in T lymphocytes and is essential for both early thymic T-cell development and functional differentiation of naive CD4 T cells into Th2 cells. GATA3, a T-cell transcription factor, has been found to influence Th2 T-cell development in a number of investigations. It also plays a role in mammary gland development and the preservation of luminal epithelial cells' differentiated state. Posttranslational modifications, the proteasome pathway, and phosphorylation all can regulate GATA3 activity. In ER-positive breast cancer cells, phosphorylation of GATA3 at Ser308 has previously been utilized as a marker of proteasomal turnover.