10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GATA3 Rabbit Monoclonal Antibody

Catalog # ABO13789

Specification

Anti-GATA3 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC, FC**
Primary Accession	P23771
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-GATA3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

Anti-GATA3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2625

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

Calculated MW
47916 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
FC 1:100

Subcellular Localization
Nucleus.

Tissue Specificity
T-cells and endothelial cells.

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human GATA3

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

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Anti-GATA3 Rabbit Monoclonal 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.

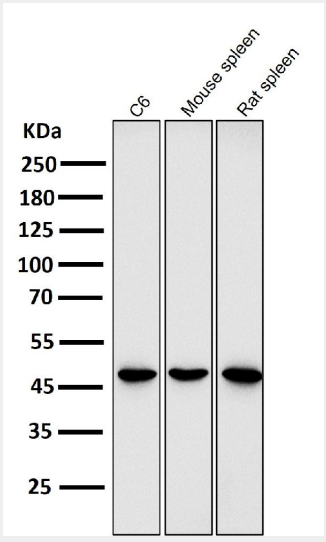
Tissue Location
T-cells and endothelial cells.

Anti-GATA3 Rabbit Monoclonal 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 Cytomety
- Cell Culture

Anti-GATA3 Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

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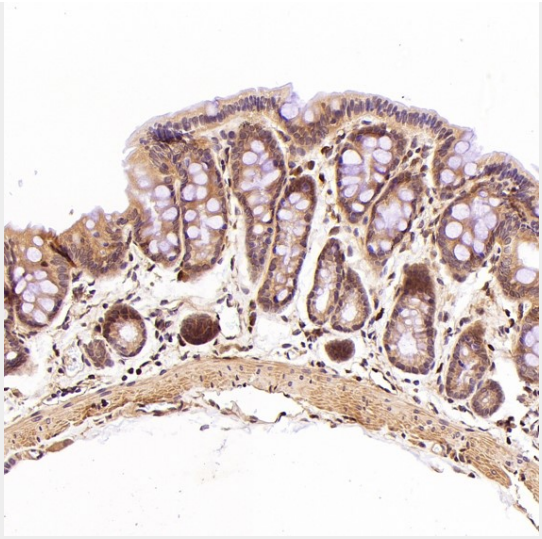
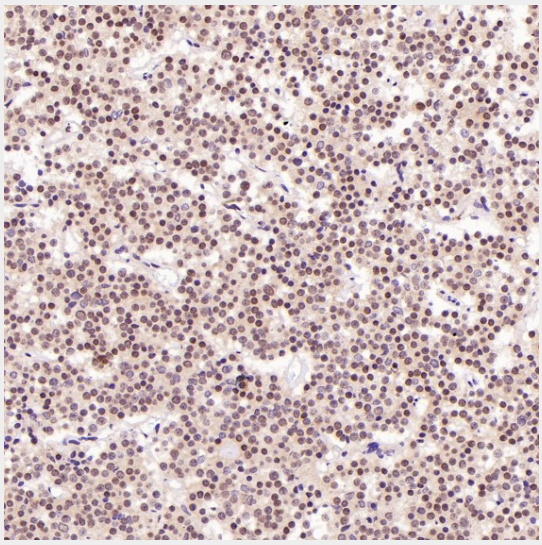
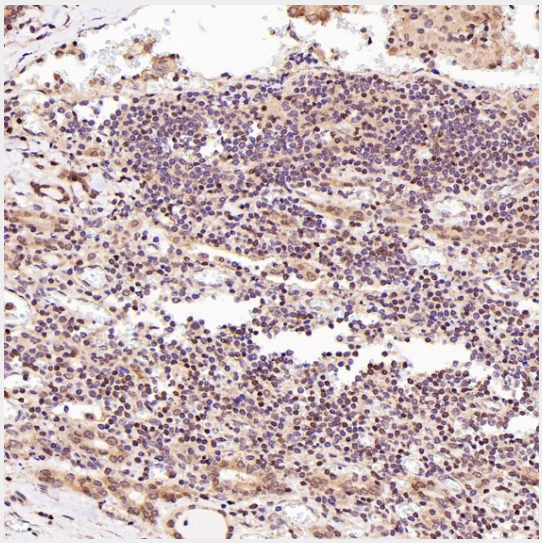


Immunohistochemical analysis of paraffin-embedded Rat intestine, using the Antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Human pituitary tumor, using the Antibody at 1:250 dilution.



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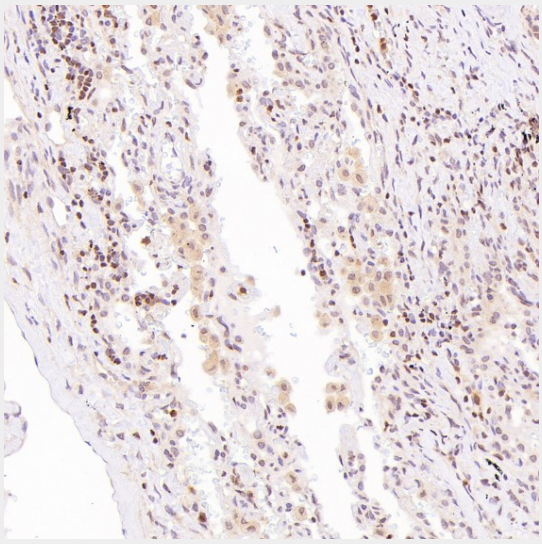
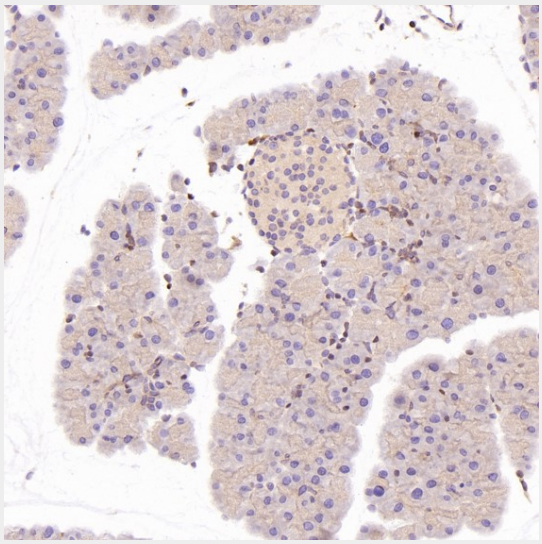
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:250 dilution.



Immunohistochemical analysis of paraffin-embedded Human small cell lung cancer , using the Antibody at 1:1000 dilution.



Immunohistochemical analysis of paraffin-embedded Mouse pancreas, using the Antibody at 1:500 dilution.

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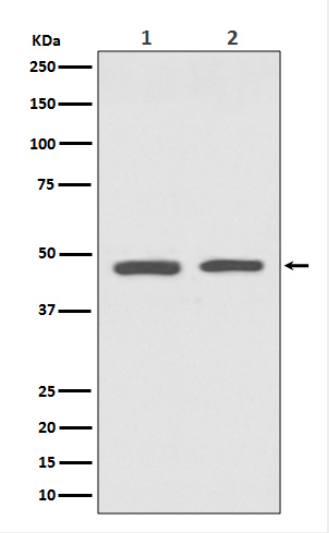
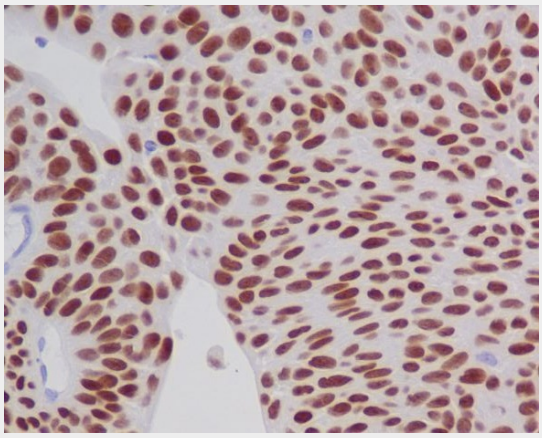


Western blot analysis of GATA3 expression in (1) SH-SY5Y cell lysate; (2) Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded human bladder cancer, using GATA3 Antibody.