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Anti-GATA3 Rabbit Monoclonal Antibody

Catalog Number: M00593

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Overview

Product Name	Anti-GATA3 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-GATA3 Rabbit Monoclonal Antibody catalog # M00593. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal ABBH-7
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P23771

Technical Details

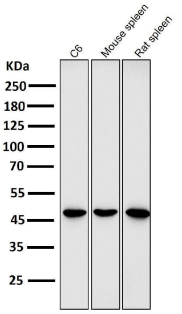
Immunogen	A synthesized peptide derived from human GATA3
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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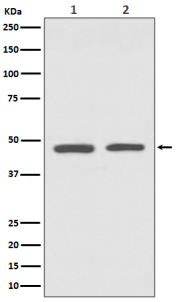
	IHC, 1:50-200 ICC/IF, 1:50-200 FC, 1:20

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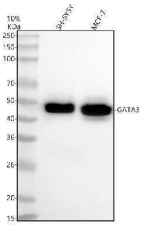
Anti-GATA3 Rabbit Monoclonal Antibody (M00593) Images



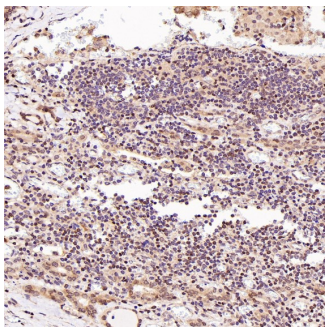
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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

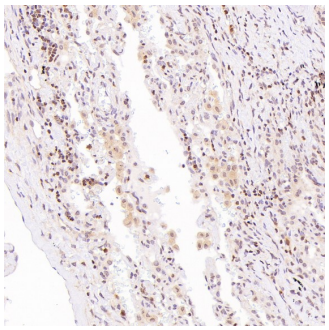


Western blot analysis of GATA3 using anti-GATA3 antibody (M00593). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human SH-SY5Y whole cell lysates, Lane 2: human MCF-7 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GATA3 antigen affinity purified monoclonal antibody (M00593) at 1:500 overnight at 4°C, then washed with TBS-10%%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GATA3 at approximately 48 kDa. The expected band size for GATA3 is at 48 kDa.

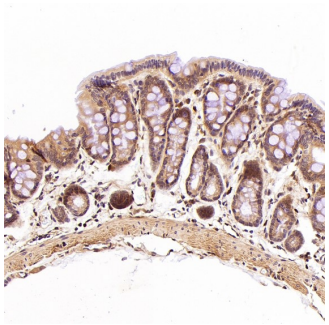


Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:250 dilution.

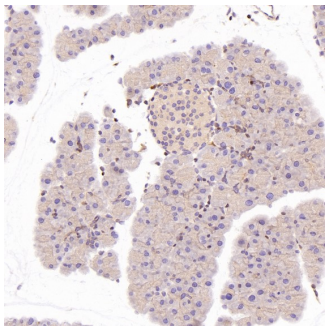
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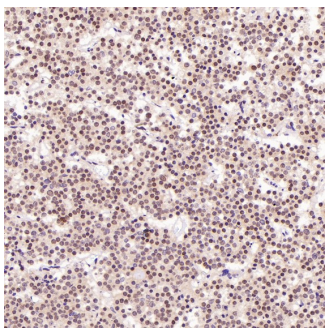
Immunohistochemical analysis of paraffin-embedded Human small cell lung cancer , using the Antibody at 1:1000 dilution.



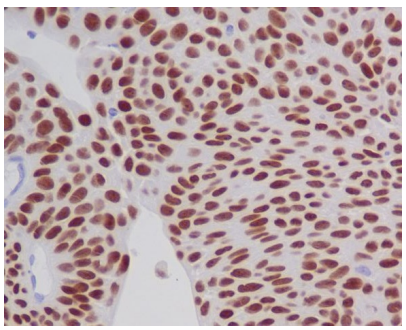
Immunohistochemical analysis of paraffin-embedded Rat intestine, using the Antibody at 1:500 dilution.



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



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



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

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Western blot analysis of GATA3 using anti-GATA3 rabbit monoclonal antibody (M00593). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% milk for 1.5 hour at RT. The membrane was incubated with rabbit anti-GATA3 rabbit monoclonal antibody (M00593) at 1:2000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:1000, room temperature for 1 h. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for GATA3 at approximately 47 kDa. The expected band size for GATA3 is at 47 kDa.

1 Publications Citing This Product

1. PubMed ID: 32976570, Ahluwalia A,Hoa N,Ge L,Blumberg B,Levin ER.Mechanisms by Which Membrane and Nuclear ER Alpha Inhibit Adipogenesis in Cells Isolated From Female Mice. Endocrinology. 2020 Nov 1;161(11):bqaa175.doi: 10.1210/endocr/bqaa175.PMID:32976570.

Visit bosterbio.com/anti-gata3-rabbit-monoclonal-antibody-m00593-boster.html to see all 1 publications.

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