

GATA3 Monoclonal Antibody

CAB19636

Description

This GATA3 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB19636
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	HDR, HDRS, GATA3
Clone:	ARC0115
Applications:	WB IP ChIP ChIP-seq ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse

Antibody Data

Gene ID:	2625
Uniprot:	AB_2862709
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	48kDa
Calculated MW:	48kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

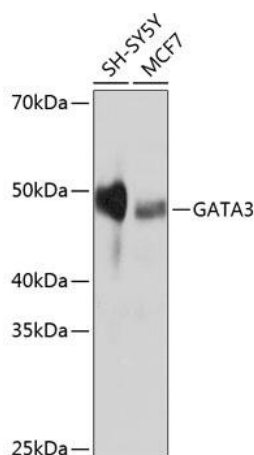
Positive Sample: SH-SY5Y, MCF7

Recommended Dilutions:

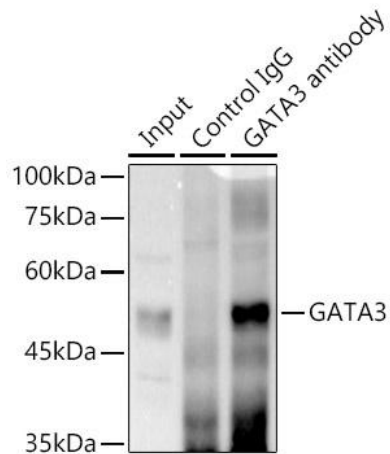
WB	1:1000 - 1:4000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ChIP 5µg antibody for 10µg-15µg of Chromatin ChIP-seq 1:50 - 1:100
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

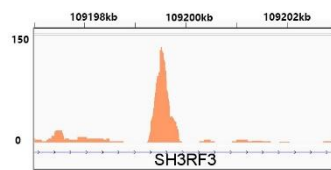
Validation Data



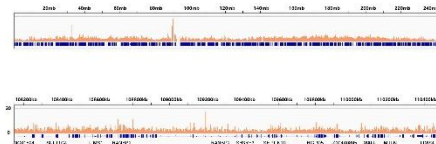
Western blot analysis of various lysates using GATA3 Rabbit mAb (CAB19636) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg GATA3 antibody (CAB19636). Western blot was performed from the immunoprecipitate using GATA3 antibody (CAB19636) at a dilution of 1:500.



Chromatin immunoprecipitations were performed with cross-linked chromatin from 293T cells transfected with GATA3 and GATA3 (CAB19636). The ChIP sequencing results indicate the enrichment pattern of GATA3 in selected genomic region and representative gene loci (SH3RF3), as shown in figure.



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