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Anti human GATA2 mouse monoclonal antibody (Protein A purified)

GATA2：Endothelial transcription factor GATA-2

Code No.	PP-B9922A-0C
Clone No.	B9922A
RRID	AB_3753407
Isotype	IgG2b
Host	mouse
Conjugate	none
Alias	NFE1B, GATA-2
UniProt ID	P23769
Entrez Gene ID	2624 (human)
Specificity	This antibody specifically recognizes human GATA2 and cross-reacts with mouse and rat GATA2. Reactivity with other species has not been tested.
Immunogen	Baculovirus-expressed recombinant human GATA2 (192–245 aa).
Concentration	1 mg/mL
Volume	100 µL
Formulation	Physiological saline with 0.1% sodium azide as a preservative.
Purification	Protein A affinity chromatography
Origin	Produced in the culture supernatant of a hybridoma generated by fusion of mouse myeloma cells (NS-1) with spleen cells obtained from a BALB/c mouse immunized with baculovirus-expressed recombinant human GATA2 (192–245 aa).
Storage	Store at 2–8°C for up to one month. For long-term storage, aliquot and store at –20°C or below. Repeated freezing and thawing should be avoided, as it may cause degradation and result in reduced performance.
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

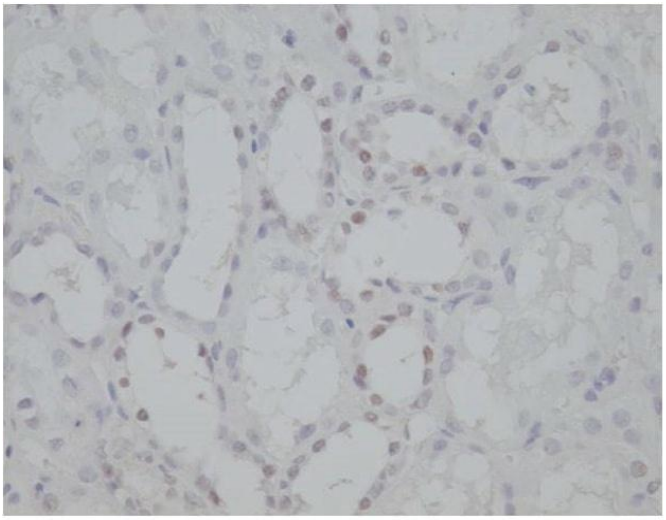
Application	Recommended Conc. *	Data †	References ‡
ChIP (Chromatin immunoprecipitation)	decide by use	—	1,2,3,4,5,6,7
CUT&Tag (Cleavage Under Targets & Tagmentation)	—	—	8
IHC-P (Immunohistochemistry-Paraffin)	1–30 µg/mL	Fig. 1	—
IHC-Fr (Immunohistochemistry-Frozen)	—	—	5
IHC-Fr (IF) (Immunohistochemistry-Frozen, Immunofluo.)	—	—	2
ICC-IF (Immunocytochemistry, Immunofluorescence)	—	—	2,5
FCM (Flow Cytometry)	—	—	8
Super Shift / EMSA (Electrophoretic Mobility Shift Assay)	decide by use	—	5
IP (Immunoprecipitation)	decide by use	—	—
ELISA	0.1 µg/mL	Fig. 2	—
WB (Western Blot)	1 µg/mL	—	2,3,8

* : Optimal dilutions/concentrations should be determined by the user.
† : Data figures are shown on page 2.
‡ : References are listed on page 3.

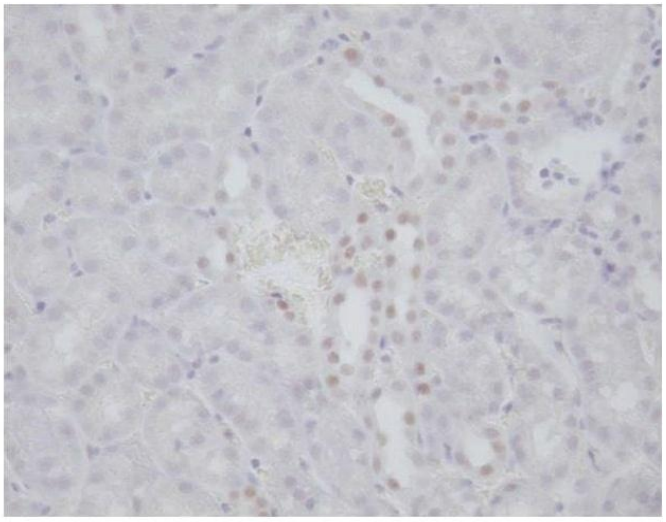
Full online PDF datasheet available here

Application Data

Fig. 1 IHC-P (Immunohistochemistry-Paraffin)



Human Kidney distal tubule



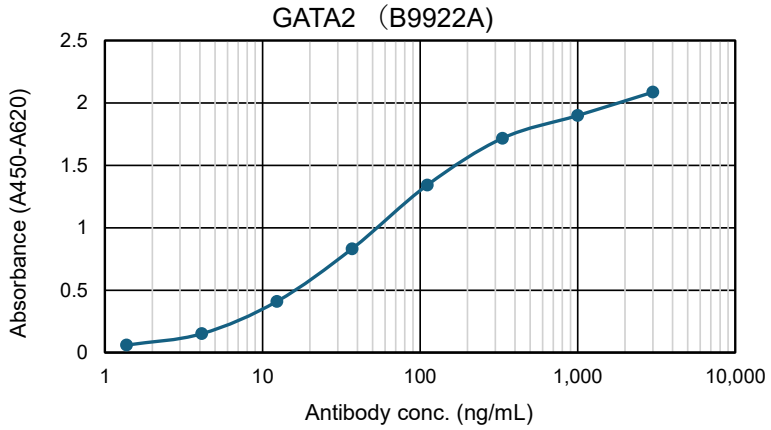
Mouse Kidney distal tubule

Section : Paraffin, Fixation : 10% formalin-fixed in immersion

Activation : Autoclave (121°C, 15min), Blocking with 3% H_2O_2 in methanol

Primary Antibody : PP-B9922A-0C 3–20 µg/mL

Fig. 2 Antigen-coated ELISA



Wells were coated with **human GATA2 (192-245 aa; expressed in baculovirus)** at 1 µg/well overnight at 4°C. After blocking with non-fat dry milk for 1 h at room temperature (RT) and washing, serially diluted **anti-GATA2 antibody (B9922A)** solutions were added to each well and incubated at RT. The plate was washed, incubated with HRP-conjugated anti-mouse IgG (1:15,000) at RT, washed again, and visualized with TMB reagent.

References

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