

GATA4 Ab

Cat.#: AF5245	Concn.: 1mg/ml	Mol.Wt.: 46 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000, IF/ICC 1:100-1:500

Reactivity: Human,Mouse,Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: GATA4 Ab detects endogenous levels of total GATA4.

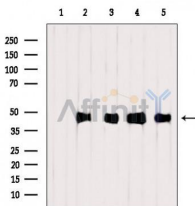
Immunogen: A synthesized peptide derived from human GATA4.

Uniprot: P43694

Description: Transcriptional activator that binds to the consensus sequence 5'-AGATAG-3' and plays a key role in cardiac development. Acts as a transcriptional activator of ANF in cooperation with NKX2-5. Promotes cardiac myocyte enlargement. Required during testicular development.

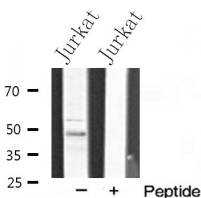
Subcellular Location: Nucleus.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

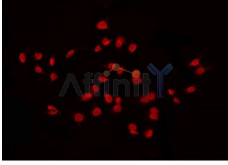


Western blot analysis of extracts from various samples, using GATA4 Ab.

Lane 1: Rat brain treated with blocking peptide;
 Lane 2: Rat brain;
 Lane 3: Rat kidney;
 Lane 4: Rat spleen;
 Lane 5: Rat liver.



Western blot analysis of GATA4 expression in Jurkat cells



AF5245 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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