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Store at -20C  
#4595

## GATA-2 Antibody

**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R	Endogenous	51	Rabbit	#P23769	2624

### Product Usage Information

#### Application

Western Blotting

#### Dilution

1:1000

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

GATA-2 Antibody detects endogenous levels of total GATA-2 protein.

### Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human GATA-2. Antibodies are purified by protein A and peptide affinity chromatography.

### Background

The zinc finger transcription factor GATA-2 is widely expressed and plays an essential role in many developmental processes (1). Studies on GATA-2 knockout mice indicate that this protein is required in hematopoiesis (2). GATA-2 also inhibits the differentiation of white (3) and brown adipocytes (4) and has been shown to suppress the proliferation of neuronal progenitor cells (5).

### Background References

1. Tong, Q. et al. (2003) *Drug News Perspect.* 16, 585-588.
2. Tsai, F.Y. et al. (1994) *Nature* 371, 221-226.
3. Tong, Q. et al. (2005) *Mol. Cell. Biol.* 25, 706-715.
4. Tsai, J. et al. (2005) *EMBO Rep.* 6, 879-884.
5. El Wakil, A. et al. (2006) *Development* 133, 2155-2165.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting

### Cross-Reactivity Key

**H:** Human **M:** Mouse **R:** Rat

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