

#4595 Store at -20°C

# GATA-2 Antibody

✓ 100 µl  
(10 western blots)

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This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

Applications	Species Cross-Reactivity*	Molecular Wt.	Source
W Endogenous	H, M, R	51 kDa	Rabbit**

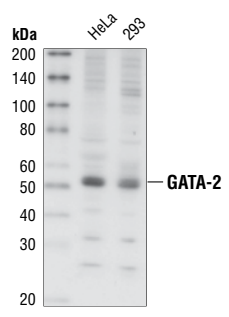
**Background:** The zinc finger transcription factor GATA-2 is widely expressed and plays an essential role in many developmental processes (1). Studies on GATA-2 knockout mice indicate that this protein is required in hematopoiesis (2). GATA-2 also inhibits the differentiation of white (3) and brown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

**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 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.



Western blot analysis of extracts from HeLa and 293 cells, using GATA-2 Antibody.

Entrez-Gene ID #2597  
Swiss-Prot Acc. #P04406

**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.

\*Species cross-reactivity is determined by western blot.

\*\*Anti-rabbit secondary antibodies must be used to detect this antibody.

**Recommended Antibody Dilutions:**

Western blotting 1:1000

For application specific protocols please see the web page for this product at [www.cellsignal.com](http://www.cellsignal.com).

Please visit [www.cellsignal.com](http://www.cellsignal.com) for a complete listing of recommended companion products.

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

**Applications Key:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide

**Species Cross-Reactivity Key:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine

Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse All—all species expected

Species enclosed in parentheses are predicted to react based on 100% homology.