

**GATA-2 Antibody**

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**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
<b>Product Usage Information</b>	<b>Application</b> Western Blotting					<b>Dilution</b> 1:1000
<b>Storage</b>	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.					
<b>Specificity/Sensitivity</b>	GATA-2 Antibody detects endogenous levels of total GATA-2 protein.					
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser277 of human GATA-2 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
<b>Background</b>	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).					
<b>Background References</b>	1. Tong, Q. et al. (2003) <i>Drug News Perspect.</i> 16, 585-588. 2. Tsai, F.Y. et al. (1994) <i>Nature</i> 371, 221-226. 3. Tong, Q. et al. (2005) <i>Mol. Cell. Biol.</i> 25, 706-715. 4. Tsai, J. et al. (2005) <i>EMBO Rep.</i> 6, 879-884. 5. El Wakil, A. et al. (2006) <i>Development</i> 133, 2155-2165.					

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	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.
<b>Applications Key</b>	<b>W:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>M:</b> Mouse <b>R:</b> Rat
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