

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse GATA-2 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 527530
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GATA-2 Ala15-Thr279 Accession # P23769
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GATA factors constitute a family of transcriptional regulatory factors that bind to the consensus DNA sequence (A/T) GATA (A/G) to control diverse tissue-specific programs of gene expression and morphogenesis. GATA-1/2/3 are each expressed in the hematopoietic system while GATA 4/5/6 are each expressed in the developing heart and in gastrointestinal and gut-derived tissues. Specifically, GATA-2 is expressed in hematopoietic progenitors and stem cells. GATA-2 expression is associated with cell proliferation. GATA-2 is 480 amino acids in length and contains 2 Zn finger domains responsible for DNA binding (aa 295-319 and 349-373). Over aa 15-279 human GATA-2 share 96% identity with mouse GATA-2.

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