

GATA1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9504c**Specification**

GATA1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P15976](#)**GATA1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2623**Other Names**

Erythroid transcription factor, Eryf1, GATA-binding factor 1, GATA-1, GF-1, NF-E1 DNA-binding protein, GATA1, ERYF1, GF1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GATA1 Antibody (Center) Blocking Peptide - Protein Information**Name** GATA1**Synonyms** ERYF1, GF1**Function**

Transcriptional activator or repressor which serves as a general switch factor for erythroid development (PubMed:35030251). It binds to DNA sites with the consensus sequence 5'-[AT]GATA[AG]-3' within regulatory regions of globin genes and of other genes expressed in erythroid cells. Activates the transcription of genes involved in erythroid differentiation of K562 erythroleukemia cells, including HBB, HBG1/2, ALAS2 and HMBS (PubMed:24245781).

Cellular Location

Nucleus.

Tissue Location

Erythrocytes..

GATA1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GATA1 Antibody (Center) Blocking Peptide - Images

GATA1 Antibody (Center) Blocking Peptide - Background

GATA1 is a protein which belongs to the GATA family of transcription factors. The protein plays an important role in erythroid development by regulating the switch of fetal hemoglobin to adult hemoglobin.

GATA1 Antibody (Center) Blocking Peptide - References

Laurent, B., et al. Blood 115(3):687-695(2010)Fujiwara, T., et al. Mol. Cell
36(4):667-681(2009)Gobel, F., et al. Blood 114(18):3813-3821(2009)Hoeller, S., et al. Blood
114(17):3717-3718(2009)