

HEMGN Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13136b**Specification**

HEMGN Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9BXL5](#)

HEMGN Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 55363

Other Names

Hemogen, Erythroid differentiation-associated gene protein, EDAG-1, Hemopoietic gene protein, Negative differentiation regulator protein, HEMGN, EDAG, NDR

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13136b was selected from the C-term region of HEMGN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

HEMGN Antibody (C-term) Blocking Peptide - Protein Information

Name HEMGN

Synonyms EDAG, NDR

Function

Regulates the proliferation and differentiation of hematopoietic cells. Overexpression block the TPA-induced megakaryocytic differentiation in the K562 cell model. May also prevent cell apoptosis through the activation of the nuclear factor-kappa B (NF-κB).

Cellular Location

Nucleus.

Tissue Location

Expressed in hematopoietic precursor cells, thyroid and spermatids (at protein level). Expressed in bone marrow, testis, thymus. Expressed in prostate cancer and ovarian cancer. Also expressed in

thymus and thyroid tumors, non-Hodgkin lymphoma, various leukemia cell lines, peripheral blood mononuclear cells (PBMCs) and bone marrow mononuclear cells (BMMCs) of patients with leukemia

HEMGN Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HEMGN Antibody (C-term) Blocking Peptide - Images

HEMGN Antibody (C-term) Blocking Peptide - Background

HEMGN regulates the proliferation and differentiation of hematopoietic cells. Overexpression block the TPA-induced megakaryocytic differentiation in the K562 cell model. May also prevent cell apoptosis through the activation of the nuclear factor-kappa B (NF-kB).

HEMGN Antibody (C-term) Blocking Peptide - References

Ding, Y.L., et al. J. Cell. Biochem. 110(4):866-874(2010)Moreno, L.M., et al. Hum. Mol. Genet. 18(24):4879-4896(2009)Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :Li, C.Y., et al. Biochim. Biophys. Acta 1779(10):606-615(2008)Ling, B., et al. Oncol. Rep. 18(3):659-664(2007)