

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

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**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- $\kappa$ B).

### **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)