

HBB Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11557b**Specification****HBB Antibody (C-term) Blocking peptide - Product Information**Primary Accession [P68871](#)**HBB Antibody (C-term) Blocking peptide - Additional Information**

Gene ID 3043

Other Names

Hemoglobin subunit beta, Beta-globin, Hemoglobin beta chain, LVV-hemorphin-7, Spinorphin, HBB

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.

HBB Antibody (C-term) Blocking peptide - Protein Information

Name HBB

Function

Involved in oxygen transport from the lung to the various peripheral tissues. [Spinorphin]: functions as an endogenous inhibitor of enkephalin-degrading enzymes such as DPP3, and as a selective antagonist of the P2RX3 receptor which is involved in pain signaling, these properties implicate it as a regulator of pain and inflammation.

HBB Antibody (C-term) Blocking peptide - Background

The alpha (HBA) and beta (HBB) loci determine the structure of the 2 types of polypeptide chains in adult hemoglobin, Hb A. The normal adult hemoglobin tetramer consists of two alpha chains and two beta chains. Mutant beta globin causes sickle cell anemia. Absence of beta chain causes beta-zero-thalassemia. Reduced amounts of detectable beta globin causes beta-plus-thalassemia. The order of the genes in the beta-globin cluster is 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'.

HBB Antibody (C-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Zhou, D., et al. Nat. Genet. 42(9):742-744(2010) Onakoya, P.A., et al. Ear Nose Throat J 89(7):306-310(2010) Belisario, A.R., et al. Acta Haematol. 124(3):162-170(2010) Prakobkaew, N., et al. Acta Haematol. 124(2):115-119(2010)

Tissue Location

Red blood cells..

**HBB Antibody (C-term) Blocking peptide -
Protocols**

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

- [Blocking Peptides](#)