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HBA2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9414c

Specification

HBA2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P69905

HBA2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 3039;3040

Other Names
Hemoglobin subunit alpha, Alpha-globin, Hemoglobin alpha chain, HBA1

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.

HBA2 Antibody (Center) Blocking Peptide - Protein Information

Name HBA1

Function
Involved in oxygen transport from the lung to the various peripheral tissues.

Tissue Location
Red blood cells.

HBA2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

HBA2 Antibody (Center) Blocking Peptide - Images

HBA2 Antibody (Center) Blocking Peptide - Background

HBA2 located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding

sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported.

HBA2 Antibody (Center) Blocking Peptide - References

Sessa, R., et al. Am. J. Hematol. 85(2):143-144(2010)Sharma, V., et al. Hematology 14(5):297-300(2009)Waye, J.S., et al. Hemoglobin 33(6):519-522(2009)Roy, P., et al. Hemoglobin 33(6):486-491(2009)Joly, P., et al. Hemoglobin 33(3):196-205(2009)