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Rev.: 2022-12-9

Hemoglobin alpha chain Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50290
Clone# BP6267

Predicted Molecular Wt: 14kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P69905

Background:

Hemoglobin alpha is the main component of human hemoglobin. Hemoglobin alpha is composed of two α globin and two β globin chains. Hemoglobin alpha chain is involved in the transport of oxygen from the lungs to various peripheral tissues.

Hemoglobin alpha is expressed in spleen, bone marrow, placenta, kidney and brain.

When hemoglobin alpha is low in the human body, it often represents adisease called beta thalassemia. Beta thalassemia is a genetic disorder caused by the loss of the beta peptide chain. There is a decrease in hemoglobin alpha, accompanied by an abnormal increase in hemoglobin F.

Subcellular location:

Cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

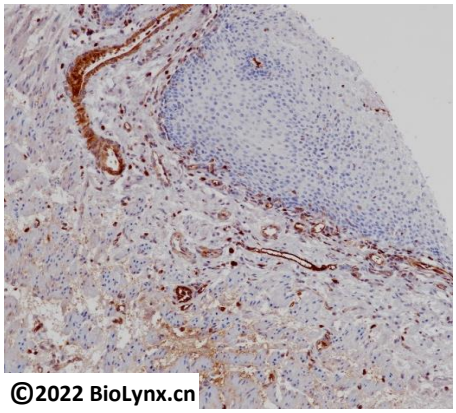
-25°C to -18°C

Shipment Instructions:

Shipped on blue ice. Upon delivery store at -25°C to -18 °C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophagus labelling Hemoglobin alpha chain with BP6267.

Background References:

1. Davis JA et al. J Neurotrauma 37:1729-1739 (2020).

2. Strain MM et al. Physiol Behav 212:112695 (2019).

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.