BT LAB
Bioassay Technology Laboratory

*Optimize Your Research*

# HBA Polyclonal Antibody

## Description

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|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP09821 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | Synthesized peptide derived from human protein . at AA range: 30-110 |
| **Mol wt** | N/A |
| **Species reactivity** | Human, Rat, Mouse |
| **Clonality** | Polyclonal |
| **Recommended application** | WB, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Hemoglobin subunit alpha |
| **Synonyms** | Hemoglobin subunit alpha ;Alpha-globin;Hemoglobin alpha chain |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## Background

The human alpha globin gene cluster 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.

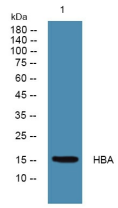
## Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

## Images




Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°C overnight

## Storage

-20°C for 1 year

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