

A7322

Leader in Biomolecular Solutions for Life Science



# Hemoglobin subunit alpha (HBA1) Rabbit pAb

Catalog No.: A7322 **2 Publications**

## Basic Information

### Observed MW

14kDa/25kDa

### Calculated MW

15kDa

### Category

Polyclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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 Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

3039

### Swiss Prot

P69905

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-142 of human Hemoglobin subunit alpha (Hemoglobin subunit alpha (HBA1)) (NP\_000508.1).

### Synonyms

HBH; ECYT7; HBA-T3; METHBA; Hemoglobin subunit alpha (HBA1)

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

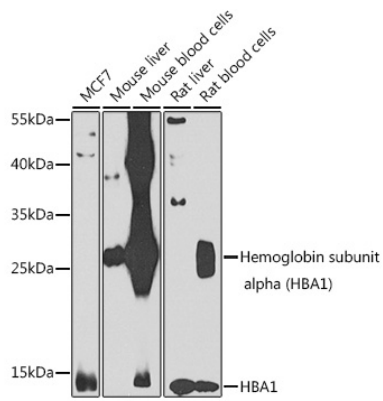
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of extracts of various cell lines, using Hemoglobin subunit alpha (Hemoglobin subunit alpha (HBA1)) antibody (A7322) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.