# HBA1 Rabbit Polyclonal Antibody

**CAB7322**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

14kDa/25kDa

**Calculated MW:**

15kDa

**Applications:**

WB IF

**Reactivity:**

Human, Mouse, Rat

## Antibody Information

**Recommended dilutions:**
WB 1:500 - 1:2000 IF 1:50 - 1:100

**Source:**
Rabbit

**Isotype:**
IgG

**Purification:**
Affinity purification

## Protein 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.

## Immunogen information

**Gene ID:**
3039

**Uniprot**
P69905

**Synonyms:**
HBA1; HBA-T3; HBH

**Immunogen:**
Recombinant fusion protein containing a sequence corresponding to amino acids 1-142 of human HBA1 (NP_000508.1).

**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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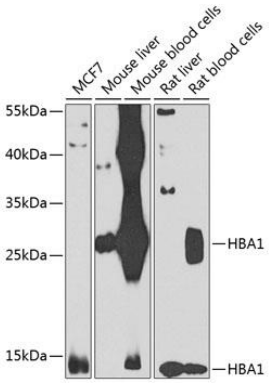
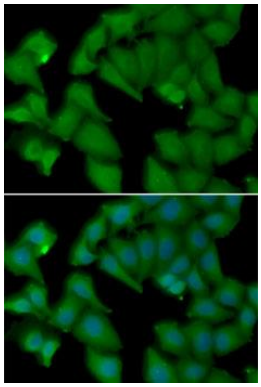
**Product Images**




Western blot analysis of extracts of various cell lines, using HBA1 antibody (CAB7322) at 1:1000 dilution._Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution._Lysates/proteins: 25ug per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL Enhanced Kit (CABM00021)._Exposure time: 30s.



Immunofluorescence analysis of MCF7 cells using HBA1 antibody (CAB7322). Blue: DAPI for nuclear staining.

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