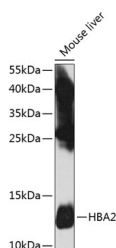


HBA2 Polyclonal Antibody

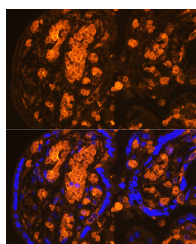
Catalog No.	E-AB-62782	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

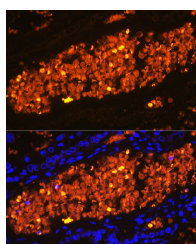
Images



Western blot analysis of extracts of mouse liver using HBA2 Polyclonal Antibody at 1:1000 dilution.



Immunofluorescence analysis of Human placenta using HBA2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat placenta using HBA2 Polyclonal antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Immunogen Information

Immunogen	Recombinant fusion protein of human HBA2
GeneID	3040
Swissprot	P69905
Synonyms	HBA2,HBA-T2,HBH

Product Information

Calculated MW	15kDa
Observed MW	13kDa
Buffer	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000,IF 1:50-1:200

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.