

HBA2 Rabbit Polyclonal Antibody

Catalog No: #55509

Package Size: #55509-1 50ul #55509-2 100ul

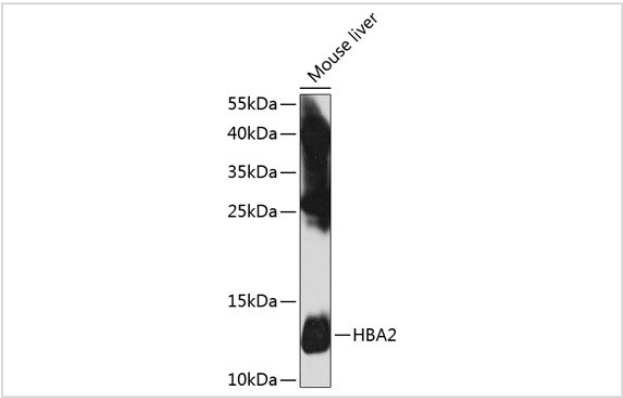
Description

Product Name	HBA2 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human HBA2 (NP_000508.1).
Conjugates	Unconjugated
Other Names	HBA2;HBA-T2;HBH
Accession No.	Uniprot:P69905GenelD:3040
Calculated MW	15kDa
SDS-PAGE MW	13kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

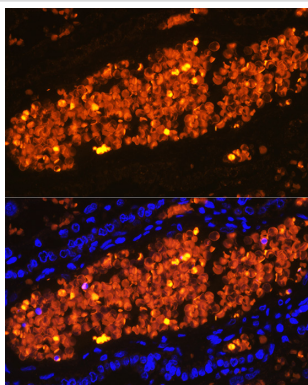
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

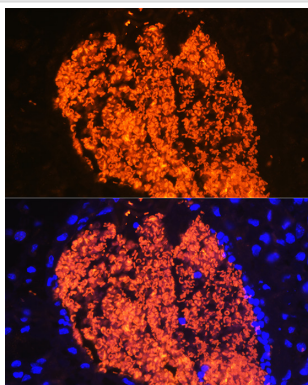
Images



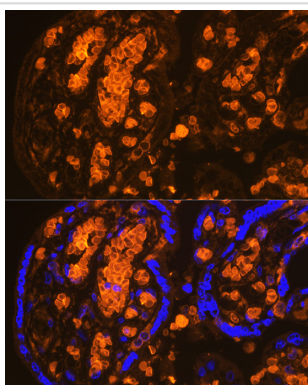
Western blot analysis of extracts of mouse liver, using HBA2 antibody.



Immunofluorescence analysis of Rat placenta using HBA2 antibody.



Immunofluorescence analysis of Mouse placenta using HBA2 antibody.



Immunofluorescence analysis of Human placenta using HBA2 antibody.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.