# Anti-HBA1 antibody (1-100) [S2MR] (STJ11102472)

## GENERAL INFORMATION

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|---|---|
| Product Type | Primary antibodies |
| Applications | WB/IHC-P/IF/ICC/ELISA |
| Host / Source | Rabbit |
| Reactivity | Human/Mouse/Rat |

## PRODUCT PROPERTIES

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|---|---|
| Clonality | Monoclonal |
| Concentration | Lot specific |
| Conjugation | Unconjugated |
| Purification | Affinity purification |
| Dilution Range | WB:1:1000-1:6000<br>IHC-P:1:200-1:2000<br>IF/ICC:1:100-1:400<br>ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation | PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3. |
| Isotype | IgG |
| Molecular Weight | Protein Mw: 15kDa<br>Observed Mw: 11kDa |
| Storage Instruction | Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles. |

## TARGET INFORMATION

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|---|---|
| Gene ID | 3039/3040 |
| Gene Symbol | HBA1.HBA2 |
| UniProt ID | HBA_HUMAN |
| Immunogen Region | 1-100 |
| Immunogen Sequence | MVLSPADKTNVKAAWGKVGA HAGEYGAEALERMFLSFPTT KTYFPHFDLSHGSAQVKGHG KKVADALTNAVAHVDDMPNA LSALSDLHAHKLRVDPVNFK |
| Specificity | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Hemoglobin subunit alpha (HBA1) (HBA1) (P69905). |

## ADDITIONAL INFORMATION

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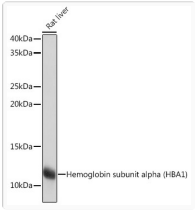
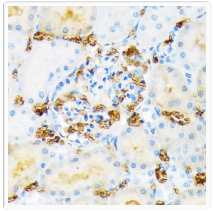
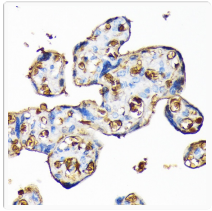
|---|---|
| Note | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS. |



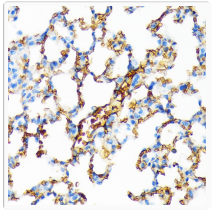

Western blot analysis of lysates from Rat liver, using Hemoglobin subunit alpha (HBA1) (HBA1) Rabbit mAb (STJ11102472) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution.
Lysates/proteins: 25 Mu g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit
Exposure time: 1s.



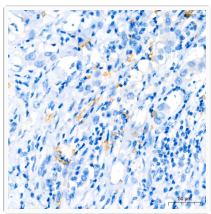
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Hemoglobin subunit alpha (HBA1) Rabbit mAb (STJ11102472) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to immunohistochemistry staining.



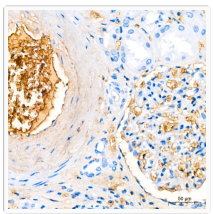
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Hemoglobin subunit alpha (HBA1) Rabbit mAb (STJ11102472) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to immunohistochemistry staining.



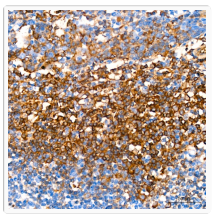
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Hemoglobin subunit alpha (HBA1) Rabbit mAb (STJ11102472) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to immunohistochemistry staining.



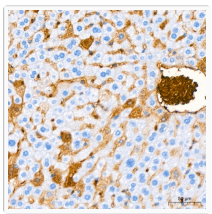
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using Hemoglobin subunit alpha (HBA1) Rabbit mAb (STJ11102472) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to immunohistochemistry staining.



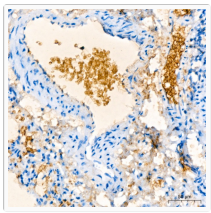
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using Hemoglobin subunit alpha (HBA1) Rabbit mAb (STJ11102472) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0. 01M Citrate Buffer (pH 6. 0) prior to immunohistochemistry staining.



Immunofluorescence analysis of paraffin-embedded rat spleen using Hemoglobin subunit alpha (HBA1) (HBA1) Rabbit mAb (STJ11102472) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded human spleen using Hemoglobin subunit alpha (HBA1) (HBA1) Rabbit mAb (STJ11102472) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of paraffin-embedded mouse spleen using Hemoglobin subunit alpha (HBA1) (HBA1) Rabbit mAb (STJ11102472) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (STJS001166) at 1:500 dilution. Blue: DAPI for nuclear staining.