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Anti-AHSP (RABBIT) Antibody
AHSP Antibody
Catalog # ASR3737

Specification

Anti-AHSP (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human, Mouse**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-AHSP Antibody has been tested in western blot and immunohistochemistry and is suitable for immunofluorescence microscopy using paraformaldehyde-fixed primary cardiomyocyte cultures and ELISA. Specific conditions for reactivity should be optimized by the end user.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-AHSP Antibody was produced from whole rabbit serum prepared by repeated immunizations with the full length human AHSP protein.**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-AHSP (RABBIT) Antibody - Additional Information

Gene ID 51327

Other Names
51327

Purity
Anti-AHSP Antibody is directed against the human AHSP protein. The product was prepared from monospecific antiserum by delipidation and defibrination. A BLAST analysis was used to suggest cross reactivity with human and mouse. Cross-reactivity with AHSP from other sources have not been determined.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-AHSP (RABBIT) Antibody - Protein Information

Name AHSP

Synonyms EDRF, ERAF

Function
Acts as a chaperone to prevent the harmful aggregation of alpha-hemoglobin during normal erythroid cell development. Specifically protects free alpha-hemoglobin from precipitation. It is predicted to modulate pathological states of alpha-hemoglobin excess such as beta- thalassemia.

Cellular Location
Cytoplasm.

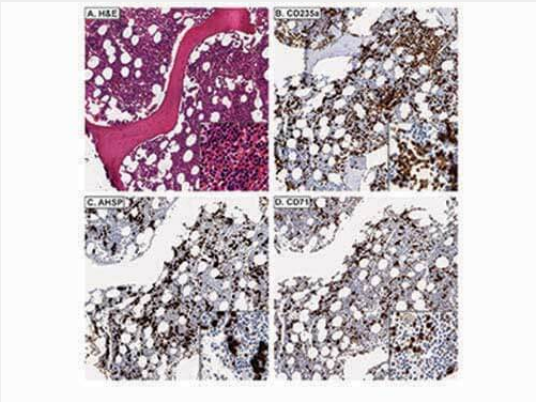
Tissue Location
Expressed in blood and bone marrow.

Anti-AHSP (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-AHSP (RABBIT) Antibody - Images



Immunohistochemistry of Rabbit anti-AHSP antibody. Tissue: A.) Normal bone marrow, H&E. B.) CD235a stains both nucleated EPs and mature, anucleate RBCs. C.) AHSP stains nucleated EPs, but not mature, anucleate RBCs. D.) CD71 stains nucleated EPs, but not mature, anucleate RBCs. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval:

TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8,000 for overnight at 4°C. Secondary antibody: anti-rabbit secondary at 1:10,000 for 45 min at RT. Localization: Anti-AHSP is cytoplasmic. Staining: AHSP antibody as precipitated brown signal with a purple nuclear counterstain using Bond-max™ – fully automated for IHC.

Anti-AHSP (RABBIT) Antibody - Background

AHSP Antibody detects Alpha hemoglobin stabilizing protein (AHSP). AHSP acts as a chaperone to prevent the harmful aggregation of alpha-hemoglobin during normal erythroid cell development. AHSP binds free a-globin to promote its folding and inhibit its ability to produce damaging reactive oxygen species. Reduced AHSP levels correlate with increased severity of b-thalassemia in some human cohorts.