

Product datasheet for **TA396523S**

AHSP Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, IHC, WB |
| Recommended Dilution: | WB: 1:500-1:1000 IHC: 1:8000 ELISA: 1:2,000 - 1:10,000 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Anti-AHSP Antibody was produced from whole rabbit serum prepared by repeated immunizations with the full length human AHSP protein. |
| Specificity: | 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. |
| Formulation: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Concentration: | 115 mg/mL - lot specific |
| Conjugation: | Unconjugated |
| Storage: | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| Stability: | Expiration date is one (1) year from date of receipt. |
| Gene Name: | alpha hemoglobin stabilizing protein |
| Database Link: | Entrez Gene 51327 Human Q9NZD4 |



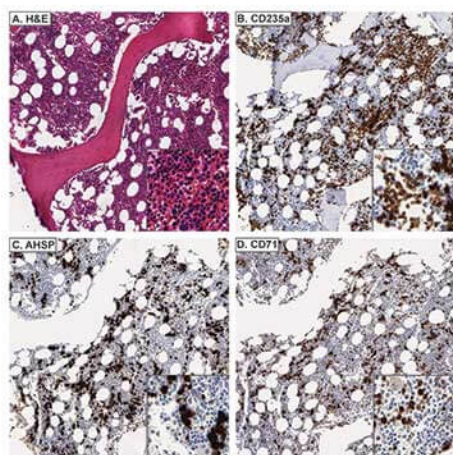
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Background: AHSP Antibody detects Alpha hemoglobin stabilizing protein (AHSP). AHSP acts as a chaperone to prevent the harmful aggregation of alpha-hemoglobin during normal erythroid cell development. AHSP binds free a-globin to promote its folding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

Synonyms: rabbit anti-AHSP antibody, Alpha-hemoglobin-stabilizing protein (AHSP), Erythroid differentiation-related factor, Erythroid-associated factor, EDRF, ERAF

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.

Product 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.