

Product Datasheet

AHSP Antibody (orb750520)

Description	AHSP antibody
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	ELISA, IHC, WB
Immunogen	Anti-AHSP Antibody was produced from whole rabbit serum prepared by repeated immunizations with the full length human AHSP protein.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Lyophilized
Concentration	115 mg/mL
Storage	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.
Note	For research use only
Application notes	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.
Isotype	Antiserum
Clonality	Polyclonal

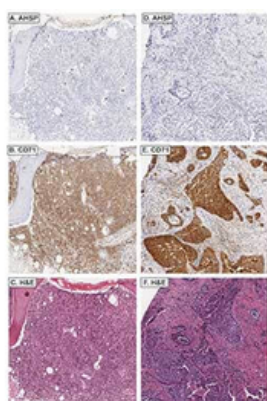
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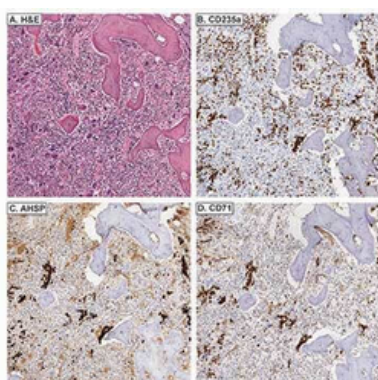
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Purity	Anti-AHSP Antibody is directed against the human AHSP protein. The product was prepared from monospecific antiserum by delipidation and defibrination. A BLAST analysis was used to suggest cross reactivity with human and mouse. Cross-reactivity with AHSP from other sources have not been determined.
Uniprot ID	Q9NZD4
NCBI	NP_057717.1
Dilution Range	ELISA: 1:2,000 - 1:10,000, IHC: 1:8000, WB: 1:500-1:1000
Expiration Date	12 months from date of receipt.



Immunohistochemistry of Rabbit anti-AHSP antibody. AHSP (A) stains residual EPs and not lymphoma cells in DLBCL, whereas CD71 (B) stains both lymphoma cells and EPs. C. Corresponding H&E. AHSP (D) does not metastatic carcinoma, whereas CD71 (E) does. F. Corresponding H&E. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval: TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at 1:10000 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.



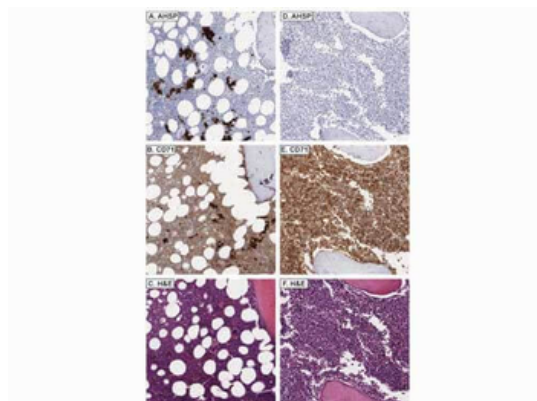
Immunohistochemistry of Rabbit anti-AHSP antibody. AHSP and CD71 stain megakaryocytes in primary myelofibrosis. Tissue: A.) Primary myelofibrosis, H&E. B.) CD235a stains both nucleated EPs and mature, anucleate RBCs. AHSP C.) and CD71. D.) variably stain megakaryocytes and also stain nucleated EPs. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval: TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at 1:10000 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.

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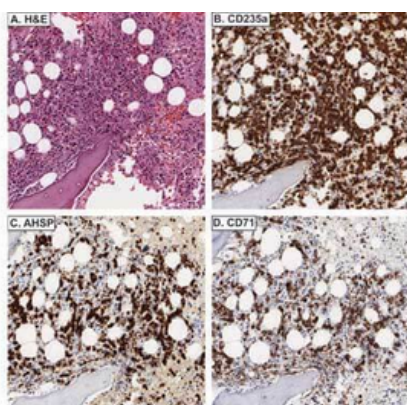
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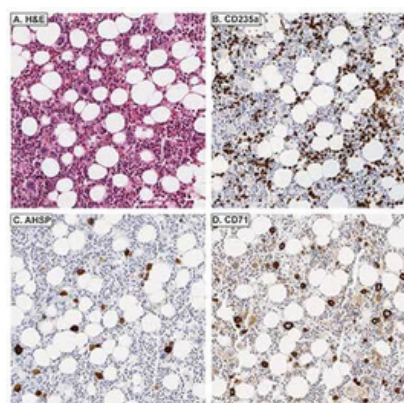
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Immunohistochemistry of Rabbit anti-AHSP antibody. CD71 stains myeloid blasts in acute myeloid leukemia, whereas AHSP does not. AHSP stains residual EPs and not myeloid blasts in acute myeloid leukemia with minimal differentiation. (A), whereas CD71 stains both myeloid blasts and EPs (B). AHSP does not stain myeloid blasts in acute myelomonocytic leukemia (D), whereas CD71 does (E). C and F are corresponding H&Es, respectively. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval: TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at 1:10000 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.



Immunohistochemistry of Rabbit anti-AHSP antibody. Tissue: A.) Acute erythroleukemia, H&E. B.) CD235a stains erythroid blasts and mature, anucleate RBCs. C.) AHSP stains erythroid blasts. D.) CD71 stains erythroid blasts. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval: TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8000 for overnight at 4°C. Secondary antibody: anti-rabbit secondary at 1:10000 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.



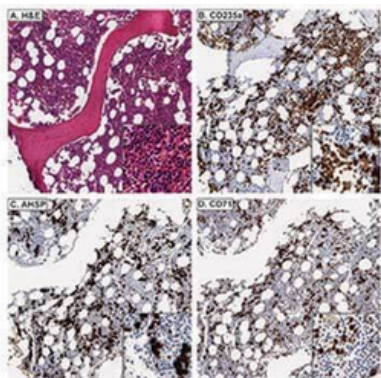
Immunohistochemistry of Rabbit anti-AHSP antibody. Tissue: A.) Giant pronormoblasts are evident in parvoviral infection, H&E. B.) CD235a does not stain giant pronormoblasts. C.) AHSP and D.) CD71 stain giant pronormoblasts. Fixation: acetic acid-zinc-formalin and formalin fixation, embedded in paraffin. Antigen retrieval: TRIS-EDTA pH9.0. Primary antibody: AHSP antibody at 1:8000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at 1:10000 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.

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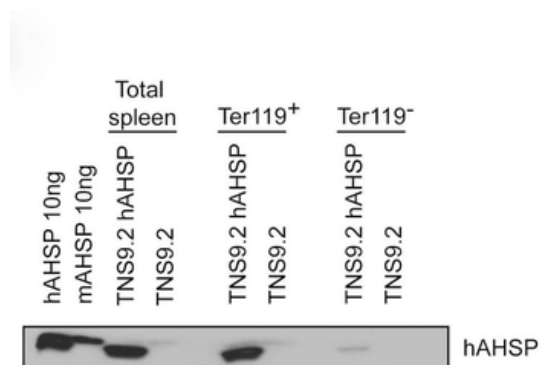
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Immunohistochemistry of Rabbit anti-AHSP antibody. Tissue: A.) Normal bone marrow, H&E. B.) CD235a stains both nucleated EPs and mature, anucleate RBCs. C.) AHSP stains nucleated EPs, but not mature, anucleate RBCs. D.) CD71 stains nucleated EPs, but 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 1:8000 for overnight at 4°C. Secondary antibody: anti-rabbit secondary at 1:10000 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.

Western Blot of Rabbit anti-AHSP antibody. Lane 1: Recombinant hAHSP (10 ng). Lane 2: Recombinant mAHP (10 ng). Lane 3: mice Spleen cells transfected with TNS9.2-hAHSP. Lane 4: mice Spleen cells transfected with TNS9.2 control vector. Lane 5: mice Spleen cells transfected with TNS9.2-hAHSP fractionated by MACS using Ter119+ microbeads. Lane 6: mice Spleen cells transfected with TNS9.2 control vector fractionated by Ter119+. Lane 7: mice Spleen cells transfected with TNS9.2-hAHSP fractionated by Ter119-. Lane 8: Spleen cells from mice transduced with TNS9.2 control vector fractionated by Ter119-. Load: 10 ng per lane. Primary antibody: AHSP antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40000 for 30 min at RT. Block: 5% dry milk 30 min at RT. Predicted/Observed size: ~12kDa. Other band(s): none.

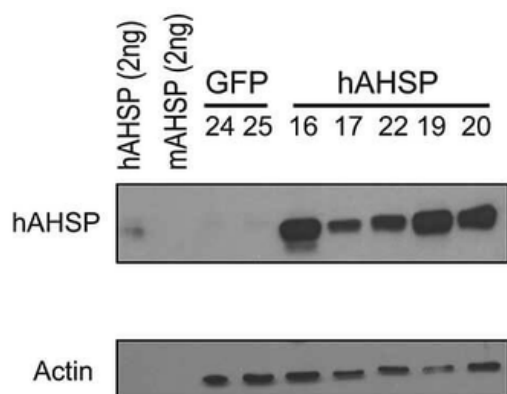


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Western Blot of Rabbit anti-AHSP antibody. Lane 1: Recombinant hAHSP (2 ng). Lane 2: Recombinant mAHSP (2 ng). Lane 3: RBC Lysates Mouse #24 - GFP. Lane 4: RBC Lysates Mouse #25 - GFP. Lane 5: RBC Lysates Mouse #16 - hAHSP. Lane 6: RBC Lysates Mouse #17 - hAHSP. Lane 7: RBC Lysates Mouse #22 - hAHSP. Lane 8: RBC Lysates Mouse #19 - hAHSP. Lane 9: RBC Lysates Mouse #20 - hAHSP. Load: if not described differently, 10 ng per lane. Primary antibody: hAHSP antibody, Beta-Actin antibody at 1:1000 for overnight at 4°C. Secondary antibody: HRP Streptavidin secondary antibody at 1:40000 for 30 min at RT. Block: 5% dry milk 30 min at RT. Predicted/Observed size: ~12kDa. Other band(s): none.

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