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Product datasheet for TA319485

AHSP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:2,000 - 1:10,000, WB: 1:500-1:1000, IHC: 1:8000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Anti-AHSP Antibody was produced from whole rabbit serum prepared by repeated immunizations with the full length human AHSP protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	alpha hemoglobin stabilizing protein
Database Link:	NP_057717 Entrez Gene 170812 MouseEntrez Gene 51327 Human Q9NZD4
Synonyms:	EDRF; ERAF
Note:	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.

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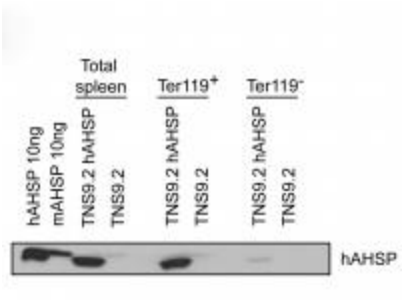
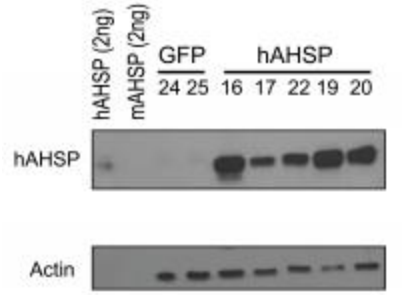
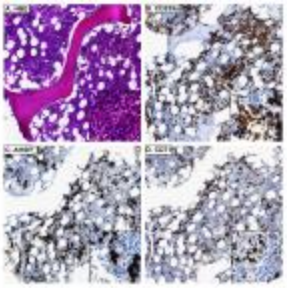
Product images:



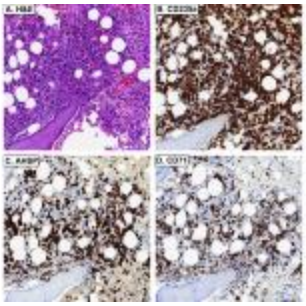
Lane 1: Recombinant hAHSP. Lane 2: Recombinant mAHSP. Lane 3: mice Spleen cells transfected with TNS9.2-hAHSP. Lane 4: mice Spleen cells transfected with TNS9.2 control vector. Lane 5: mice Spleen cells transfected with TNS9.2-hAHSP fractionated by MACS using Ter119+ microbeads. Lane 6: mice Spleen cells 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: 10ng per lane. Anti-AHSP: 1:1,000; Secondary: HRP Streptavidin at 1:40,000.



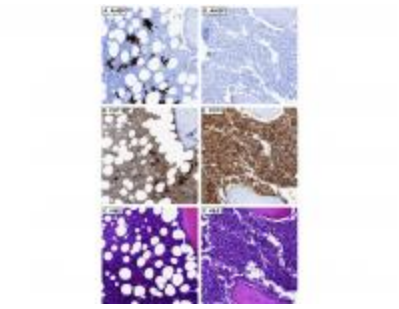
WB of Rabbit anti-AHSP antibody. Lane 1: Recombinant hAHSP (2 ng). Lane 2: Recombinant mAHSP (2 ng). Lane 3: RBC Lysates Mouse #24 - GFP. Lane 4: RBC Lysates Mouse #25 - GFP. Lane 5: RBC Lysates Mouse #16 - hAHSP. Lane 6: RBC Lysates Mouse #17 - hAHSP. Lane 7: RBC Lysates Mouse #22 - hAHSP. Lane 8: RBC Lysates Mouse #19 - hAHSP. Lane 9: RBC Lysates Mouse #20 - hAHSP. Primary antibody: hAHSP antibody, Beta-Actin antibody at 1:1,000. Secondary antibody:1:40,000.



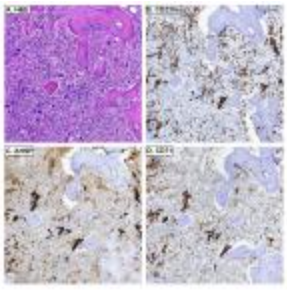
IHC of Rabbit anti-AHSP antibody. Tissue: A. Normal bone marrow, H&E. B. CD235a stains both nucleated EPs and mature, anucleate RBCs. C. AHSP stains nucleated EPs, but not mature, anucleate RBCs. D. CD71 stains nucleated EPs, but not mature, anucleate RBCs. Primary antibody: AHSP antibody at 1:8,000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at (1:10,000 for 45 min at RT).



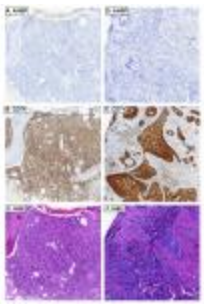
IHC of Rabbit anti-AHSP antibody. Tissue: A. Acute erythroleukemia, H&E. B. CD235a stains erythroid blasts and mature, anucleate RBCs. C. AHSP stains erythroid blasts. D. CD71 stains erythroid blasts. Primary antibody: AHSP antibody at 1:8,000 for overnight at 4°C Secondary antibody: anti-rabbit secondary at (1:10,000 for 45 min at RT)



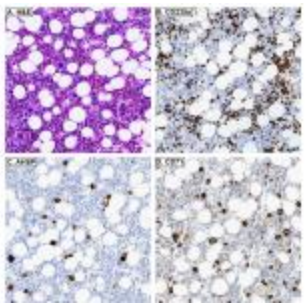
IHC of Rabbit anti-AHSP antibody. Tissue: AHSP stains residual EPs and not myeloid blasts in acute myeloid leukemia with minimal differentiation (A), whereas CD71 stains both myeloid blasts and EPs (B). AHSP does not stain myeloid blasts in acute myelomonocytic leukemia (D), whereas CD71 does (E). C and F are corresponding H&Es, respectively. 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).



IHC of Rabbit anti-AHSP antibody. 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. 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).



IHC of Rabbit anti-AHSP antibody. Tissue: 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. 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).



IHC of Rabbit anti-AHSP antibody. Tissue: Giant pronormoblasts are evident in parvoviral infection (H&E, A). B. CD235a does not stain giant pronormoblasts. AHSP C. and CD71 D. stain giant pronormoblasts. 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).