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AHSG Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5083

Specification

AHSG Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P02765
Other Accession	NP_001613.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=39 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

AHSG Antibody (C-term) - Additional Information

Gene ID 197

Antigen Region
247-276

Other Names
AHSG; FETUA; Alpha-2-HS-glycoprotein; Alpha-2-Z-globulin; Ba-alpha-2-glycoprotein; Fetuin-A; Alpha-2-HS-glycoprotein chain A; Alpha-2-HS-glycoprotein chain B

Dilution
WB~~1:1000

Target/Specificity
This AHSG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 247-276 amino acids from the C-terminal region of human AHSG.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AHSG Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AHSG Antibody (C-term) - Protein Information

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Name AHSG

Synonyms FETUA

Function
Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions.

Cellular Location
Secreted.

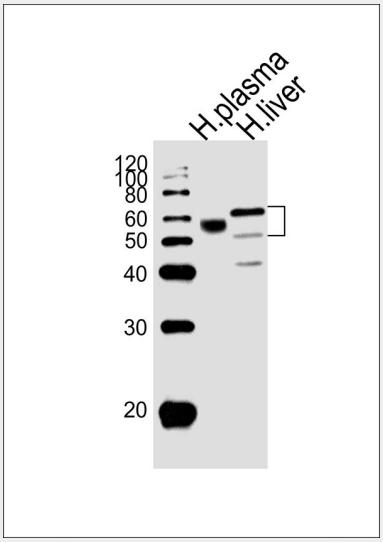
Tissue Location
Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins

AHSG Antibody (C-term) - 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

AHSG Antibody (C-term) - Images



Western blot analysis of lysates from human plasma and liver tissue lysate (from left to right), using AHSG Antibody (C-term)(Cat. #AW5083). AW5083 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

AHSG Antibody (C-term) - Background

Alpha2-HS glycoprotein (AHSG), a glycoprotein present in the serum, is synthesized by

hepatocytes. The AHSG molecule consists of two polypeptide chains, which are both cleaved from a proprotein encoded from a single mRNA. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix, and it has therefore been postulated that it participates in the development of the tissues. However, its exact significance is still obscure.

AHSG Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Verduijn, M., et al. Nephrol. Dial. Transplant. (2010) In press : Wang, Y., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 27(3):310-315(2010) Voigt, M., et al. Histopathology 56(6):775-788(2010) Kusnierz-Cabala, B., et al. Clin. Lab. 56 (5-6), 191-195 (2010) :

AHSG Antibody (C-term) - Citations

- Facilitatory effects of fetuin-A on atherosclerosis.