

AHSG polyclonal antibody

Catalog # PAB10313

Size 500 ug

Applications

Western Blot (Tissue lysate)



Immunoblot of AHSG polyclonal antibody (Cat # PAB10313), generated by immunization with mature protein, was tested by immunoblot against AHSG in purified preparations and in human plasma.

Lane 1 contains 250 ng of purified human AHSG.

Lane 2 contains 5 uL of a 1 : 50 dilution of human serum.

Dilution of Anti-human AHSG antibody between 1 : 10,000 and 1 : 20,000 showed strong reactivity by immunoblot.

In this blot the antibody was used at a 1 : 10,000 dilution incubated 1 h at room temperature in 1% BSA in TTBS.

Detection occurred using a 1 : 5,000 dilution of IRDye™800 conjugated Donkey anti-Goat IgG for 45 min at room temperature.

LICOR's Odyssey® Infrared Imaging System was used to scan and process the image.

Specification

Product Description Goat polyclonal antibody raised against a recombinant AHSG.

Immunogen Recombinant protein corresponding to human AHSG.

Host Goat

Reactivity Human

Form Lyophilized

Quality Control Testing Antibody Reactive Against Recombinant Protein.

Recommend Usage ELISA (1:40000-1:200000)
Western Blot (1:10000-1:20000)
The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — AHSG

Entrez GeneID	197
Gene Name	AHSG
Gene Alias	A2HS, AHS, FETUA, HSGA
Gene Description	alpha-2-HS-glycoprotein
Omim ID	138680
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	Alpha-2HS-glycoprotein fetuin-A

Publication Reference

- [The serum protein alpha 2-Heremans-Schmid glycoprotein/fetuin-A is a systemically acting inhibitor of ectopic calcification.](#)

Schafer C, Heiss A, Schwarz A, Westenfeld R, Ketteler M, Floege J, Muller-Esterl W, Schinke T, Jahnke-Dechent W.

The Journal of Clinical Investigation 2003 Aug; 112(3):357.

- [Interactions of alpha2-HS-glycoprotein \(fetuin\) with MMP-3 and murine squamous cell carcinoma cells.](#)

Leite-Browning ML, McCawley LJ, Choi OH, Matrisian LM, Ochieng J.

International Journal of Oncology 2002 Nov; 21(5):965.

Application: IHC-P, Human, Liver, Squamous cell carcinoma

- [Changes with age of the rat fetuin concentration in serum and its mRNA expression.](#)

Kazi JA, Nakamura O, Ohnishi T, Arakaki N, Kajihara T, Nakagawa S, Daikuhara Y.

Journal of Biochemistry 1998 Jul; 124(1):179.

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