



Rabbit Anti-Human Fetuin A monoclonal antibody, clone S112 (CABT-ZB1047)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Fetuin A It has no cross-reactivity in ELISA with Human Cystatin-CHuman Cystatin-EMouse Fetuin-A.
Target	AHSG
Immunogen	Recombinant Human Fetuin-A protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S112
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det), ICC/IF We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB728 - CABT-ZB1047 This antibody will detect Fetuin A in antibody pair set. [ABPR-ZB308]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Fetuin-A / AHSG.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Fetuin-A, also known as Alpha-2-HS-Glycoprotein (AHSG), belongs to the Fetuin family, is a plasma binding protein, and is more abundant in fetal than adult blood. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. Fetuins are carrier proteins like albumin. Fetuin-A forms soluble complexes with calcium and phosphate and thus is a carrier of otherwise insoluble calcium phosphate. Thus Fetuin-A is a potent inhibitor of pathological calcification. The circulating levels of fetuin-A, a well-described inhibitor of calcification, regulate the cell-dependent process of osteogenesis. The low circulating fetuin-A levels are associated with a greater prevalence and/or severity of Vascular calcification (VC) and increased risk for all-cause and cardiovascular mortality. However, high circulating fetuin-A levels appear to induce insulin resistance and, in non-dialyzed subjects with diabetic nephropathy, are directly related to VC burden. The emerging role of fetuin-A deficiency as a risk factor in dialysis patients was documented in cross-sectional studies demonstrating a significant correlation with all-cause and cardiovascular mortality. Additionally, Human fetuin-A is a negative acute phase protein involved in inflammatory diseases, thus being a potential physiological regulator of meprin activity. Fetuin-A is a broad-range protease inhibitor. Fetuin-A and cystatin C as endogenous proteolytic regulators of meprin activity broadens our understanding of the proteolytic network in plasma.
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Keywords	AHSG; alpha-2-HS-glycoprotein; fetuin-A; asialofetuin
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GENE INFORMATION

Synonyms	AHSG; alpha-2-HS-glycoprotein; fetuin-A; asialofetuin
Entrez Gene ID	197
UniProt ID	P02765