

Datasheet for ABIN3043533
anti-Fetuin A antibody (AA 19-345)



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2 Images

Overview

Quantity:	100 µg
Target:	Fetuin A (AHSG)
Binding Specificity:	AA 19-345
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fetuin A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Fetuin A/AHSG Antibody Picoband®
Immunogen:	E.coli-derived mouse Fetuin A recombinant protein (Position: A19-I345). Mouse Fetuin A shares 57% and 85% amino acid (aa) sequence identity with human and rat Fetuin A, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Fetuin A/AHSG Antibody Picoband® (ABIN3043533). Tested in WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Fetuin A (AHSG)
Alternative Name:	AHSG (AHSG Products)
Background:	Synonyms: Alpha-2-HS-glycoprotein,Countertrypin,Fetuin-A,Ahsg,Fetua, Tissue Specificity: Liver is the major site of synthesis, but fetuin is also expressed in limb buds and other extrahepatic tissues during development. Background: Alpha-2-HS-glycoprotein (AHSG) also known as fetuin-A is a protein that in humans is encoded by the AHSG gene. Fetuin-A belongs to the fetuin class of plasma binding proteins and is more abundant in fetal than adult blood. This gene is mapped to 3q27. Fetuin-A is a secreted partially phosphorylated glycoprotein with complex proeolytic processing that circulates in blood and extracellular fluids. The protein is commonly present in the cortical plate of the immature cerebral cortex and bone marrow hemopoietic matrix. It is involved in several functions, such as endocytosis, brain development and the formation of bone tissue. Fetuin-A is also a potent inhibitor of pathological calcification. Sequence Similarities: Belongs to the fetuin family.
Molecular Weight:	55-60 kDa
Gene ID:	11625
UniProt:	P29699

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Mouse 1. Rizzu P, Baldini A (1995). "Three members of the human cystatin gene superfamily, AHSG, HRG, and KNG, map within one megabase of genomic DNA at 3q27". Cytogenet. Cell Genet. 70 (1-2): 26-8. 2. Osawa M, Umetsu K, Sato M, Ohki T, Yukawa N, Suzuki T, Takeichi S (September 1997). "Structure of the gene encoding human alpha 2-HS glycoprotein (AHSG)". Gene 196 (1-2): 121-5. 3. Entrez Gene: AHSG alpha-2-HS-glycoprotein
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

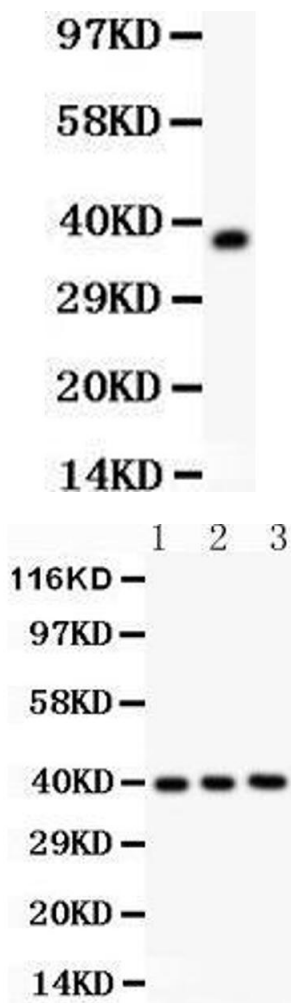
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.

Western Blotting

Image 2. Anti- Fetuin A antibody, Western blotting All lanes: Anti FetuinA at 0.5ug/ml Lane 1: NIH3T3 Whole Cell Lysate at 40ug Lane 2: NEURO Whole Cell Lysate at 40ug Lane 3: Mouse Brain Tissue Lysate at 50ug Predicted bind size: 39KD Observed bind size: 39KD