

For Research Use Only

Fetuin-A/AHSG Recombinant antibody

Catalog Number: 80793-1-RR



Basic Information

Catalog Number:

80793-1-RR

Size:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9853

GenBank Accession Number:

BC048198

GeneID (NCBI):

197

UNIPROT ID:

P02765

Full Name:

alpha-2-HS-glycoprotein

Calculated MW:

367 aa, 39 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

1E4

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human plasma, human heart tissue

Background Information

Fetuin-A, also named as Alpha2-HS glycoprotein (AHSG), is a member of cystatin superfamily of protease inhibitors. It is a highly expressed glycoprotein in various fetal tissues whereas it is mainly expressed by the liver in adults. Fetuin A, an extracellular inhibitor of transforming growth factor β , is a profibrogenic stimulus in liver disease. Circulating fetuin-A may be a beneficial serum biomarker in the detection of liver and vascular fibrosis progression in patients with non-alcoholic fatty liver disease. It is also involved in several functions, such as endocytosis, brain development and the formation of bone tissue. Fetuin-A exerts its effects on the cardiovascular system by two different mechanisms. On the one hand it inhibits insulin signaling and induces insulin resistance contributing to the onset of atherosclerosis and on the other hand it inhibits calcium deposition and protects from vascular calcification.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

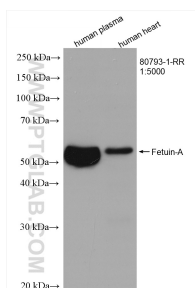
T: 4006900926

E: Proteintech-CN@ptglab.com

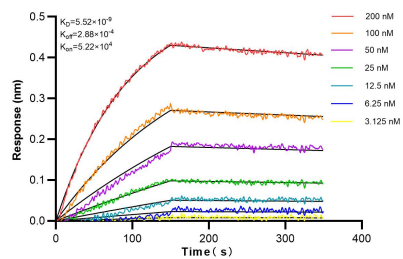
W: ptgcn.com

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Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 80793-1-RR (Fetuin-A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 80793-1-RR against Human AHSG were performed. The affinity constant is 5.52 nM.