

For Research Use Only

Fetuin-A/AHSG Recombinant antibody, PBS Only

Catalog Number:80793-1-PBS



Basic Information

Catalog Number: 80793-1-PBS	GenBank Accession Number: BC048198	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 197	CloneNo.: 1E4
Source: Rabbit	UNIPROT ID: P02765	
Isotype: IgG	Full Name: alpha-2-HS-glycoprotein	
Immunogen Catalog Number: AG9853	Calculated MW: 367 aa, 39 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 ins signaling and induces ins resistance contributing to the onset of atherosclerosis and on the other hand it inhibits calcium deposition and protects from vascular calcification.

Storage

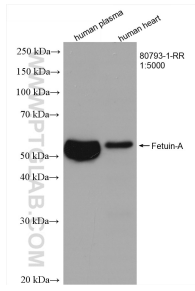
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

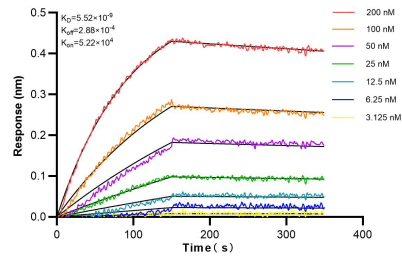
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Selected Validation Data



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. This data was developed using the same antibody clone with 80793-1-PBS in a different storage buffer formulation.



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