

**Fetuin A (F180) Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H	Endogenous	45-50	Rabbit	#P02765	197
<b>Product Usage Information</b>	<b>Application</b>					<b>Dilution</b>
	Western Blotting					1:1000
	Immunoprecipitation					1:50
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.					
<b>Specificity/Sensitivity</b>	Fetuin A (F180) Antibody detects endogenous levels of total fetuin A protein.					
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe180 of human fetuin A protein. Antibodies are purified by protein A and peptide affinity chromatography.					
<b>Background</b>	Fetuin A is produced by liver and secreted to plasma, and selectively concentrated in bone matrix. It is synthesized as a precursor and processed to generate 2 chains that are held together by a disulfide bond. It is a systemically acting calcification inhibitor (1). Reduced level of fetuin A in serum is associated with increased cardiovascular mortality in dialysis patients (2,3). Fetuin A can inhibit insulin-induced tyrosine phosphorylation of the insulin receptor tyrosine kinase and insulin receptor substrate-1 (4). Fetuin A deficient mice show high insulin sensitivity and high levels of serum fetuin A are associated with insulin resistance in humans (5,6).					
<b>Background References</b>	1. Schafer, C. et al. (2003) <i>J Clin Invest</i> 112, 357-66. 2. Westenfeld, R. et al. (2007) <i>Trends Cardiovasc Med</i> 17, 124-8. 3. Westenfeld, R. et al. (2009) <i>J Am Soc Nephrol</i> 20, 1264-74. 4. Auberger, P. et al. (1989) <i>Cell</i> 58, 631-40. 5. Mathews, S.T. et al. (2002) <i>Diabetes</i> 51, 2450-8. 6. Stefan, N. et al. (2006) <i>Diabetes Care</i> 29, 853-7.					

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation
<b>Cross-Reactivity Key</b>	<b>H:</b> Human
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