

## Product datasheet for **DP2010**

### Fetuin A (AHSG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Immunohistochemistry on frozen sections.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Human serum
Specificity:	This antibody reacts to Fetuin-A.
Formulation:	0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. AZIDE FREE State: Aff - Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 0.1 ml of deionized water
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	alpha 2-HS glycoprotein
Database Link:	<a href="#">Entrez Gene 197 Human P02765</a>



[View online »](#)

**Background:**

Fetuin-A (AHSG), a 59 kDa glycoprotein, consisting of two cystatin-like domains and a smaller unrelated domain, is predominantly synthesized in liver. It is secreted into the blood stream and deposited as a noncollagenous protein in mineralized bones and teeth. Fetuin-A occurs in high serum concentrations during foetal life, whereas its level declines following infection, inflammatory and malignancy. Fetuin-A acts as an important circulating inhibitor of ectopic calcification, frequent complication of many degenerative diseases. Low serum level of Fetuin-A is associated with vascular and valvular calcification, atherosclerosis, malnutrition and higher cardiovascular mortality in chronic renal failure, liver cancer and liver cirrhosis patients on long-term dialysis. AHSG protein represents a natural inhibitor of tyrosinase kinase activity of the insulin receptor. It may play a significant role in regulating postprandial glucose disposal, insulin sensitivity, weight gain, and fat accumulation. The serum and bone-resident Fetuin-A binds to transforming growth factor- $\beta$  and blocks TGF $\beta$  binding to cell surface receptors.

**Synonyms:**

Fetuin A, AHSG, FETUA, PRO2743