

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A6 in direct ELISAs and Western Blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) Serpin A1, rhSerpin A3, and rhSerpin A4 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Serpin A6 Met23-Val405 (Ser246Ala) Accession # P08185
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Serpin A6, also known as Corticosteroid-binding Globulin/CBG and Transcortin, is a 45-60 kDa secreted glycoprotein member of the clade A serpin family of protease inhibitors. Although it is a serpin family member, it shows no protease inhibition. Serpin A6 is produced principally by hepatocytes, but is also expressed by hypothalamic neurons and anterior pituitary endocrine cells. Serpin A6 transports progesterone and > 90% of circulating cortisol, and likely has three functions: first it can be cleaved, releasing cortisol to the tissues; second, it regulates levels of free hormone available over time; and third, it likely binds to specific cell-surface receptors when complexed to cortisol. Human Serpin A6 is 405 amino acids (aa) in length. Over aa 23-396, human Serpin A6 shares 57% and 60% aa sequence identity with mouse and rat Serpin A6, respectively.

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