Human Serpin A12 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4410V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A12 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) Serpin A1, rhSerpin A3, rhSerpin F1, and recombinant mouse Serpin E1 i
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Serpin A12 Leu20-Lys414 Accession # Q8IW75
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunoprecipitation	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 A12 (serine proteinase inhibitor-clade A#12; also vaspin) is a 45-50 kDa, secreted member of the α1-antitrypsin (clade A)-subfamily, Serpin superfamily of protease inhibitors. It is produced by visceral adipocytes, and adipocyte-derived stem cells during obesity or diabetes. The presence of vaspin reverses insulin-resistance. Its molecular target is unknown. Human Serpin A12 is 414 amino acids (aa) in length. It contains a 20 aa signal sequence and a 394 aa mature region. A potential “active” inhibitor site lies between Arg363 and Met378. Mature human Serpin A12 shares 61% aa identity with mouse Serpin A12.

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