Human Serpin B6 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4336V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin B6 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human (rh) Serpin B8 and rhSerpin B9 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant human Serpin B6 Asp2-Pro376 Accession # P35237
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.

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 B6 (serine protease inhibitor-clade B#6; also placental thrombin inhibitor) is a 42 kDa, cytosolic member of the ovalbumin (clade B)-subfamily, Serpin superfamily of protease inhibitors. It is produced by multiple cell types (keratinocytes; monocytes; mast cells), and shows inhibitory activity towards thrombin, plasmin and chymotrypsin. Human Serpin B6 is 376 amino acids (aa) in length. An active inhibitor site lies between Glu327 and Met338. Multiple potential isoforms exist. One shows a 28 aa substitution for the N-terminal 191 amino acids. Three others have alternate start sites that vary from 14-33 aa's upstream of the standard start site. Human Serpin B6 shares 76% aa identity with mouse Serpin B6.

PRODUCT SPECIFIC NOTICES

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