

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SerpinA11 in ELISA and Western Blot.
Source	Monoclonal Mouse IgG _{2B} Clone # 895842
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SerpinA11 Met1-Gly422 Accession # Q86U17
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 A11 (serine proteinase inhibitor – clade A#11) is a 50-60 kDa secreted member of the serpin superfamily of protease inhibitors. Serpins are the largest family of endogenous protease inhibitors, and target a wide variety of serine and cysteine proteases. In general, members of this superfamily regulate multiple proteolytic cascades, and are particularly effective due to the fact that their inhibitory activities can be fine-tuned through the participation of discrete, non-serpin co-factors. Serpin A11 gene expression is extremely high in normal liver, with lower levels detected in normal breast, breast tumor, and benign prostatic hyperplasia. Human Serpin A11 is 422 amino acids (aa) in length, with four potential N-linked glycosylation sites, and shares 75% aa sequence identity with mouse Serpin A11.

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