

Anti-Serpin I2 Antibody (9Q949)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9Q949
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of Human SERPINI2 expression on U2OS cells. Cells were stained with purified anti-Human SERPINI2, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	ELISA,FCM
Recommended	ELISA: 1:5000-1:10000; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human SerpinI2 protein (TMPY-01841)
Antigen Species:	Human
Synonyms:	PI14;MEPI;TSA2004;serpin peptidase inhibitor, clade I (pancpin), member 2;Serpin I2;PANCPIN

Research Background

Serpins are the largest and most diverse family of serine protease inhibitors which are involved in some fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. Serpins are a group of proteins with similar structures that were first identified as a set of proteins able to inhibit proteases. The acronym serpin was originally coined because many serpins inhibit chymotrypsin-like serine proteases (serine protease inhibitors). Over 1 serpins have been identified. Serpin-I2, also known as myoepithelium-derived serine protease inhibitor, Pancreas-specific protein TSA24, Peptidase inhibitor 14, PI14, SERPINI2 and MEPI, is a secreted protein that belongs to the serpin family. It is expressed in pancreas and adipose tissues. SERPINI2 deficiency directly results in the acinar cell apoptosis and malabsorption.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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