Saint Louis, Missouri 63103 USA
Telephone (800) 325-5832 (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

ProductInformation

Anti-SERPINB12
Produced in rabbit, Affinity Isolated Antibody

Product Number **S 9445**

Product Description

Anti-SERPINB12 is produced in rabbit using as immunogen a peptide corresponding to the human SERPINB12 protein (amino acids 260-275). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-SERPINB12 reacts with amino acid residues 260-275 (SHSKDNLKGLEELERK) of human SERPINB12. The antibody may be used in immunoblotting (~46 kDa, calculated).

Members of the human serpin family regulate a diverse array of serine and cysteine proteinases associated with essential biological processes such as fibrinolysis, coagulation, inflammation, cell mobility, cellular differentiation, and apoptosis. Most serpins are secreted and attain physiologic concentrations in the blood and extracellular fluids. However, a subset of the serpin superfamily, the ov-serpins, also resides intracellularly. A novel member of the human ov-serpin gene family, SERPINB2 is expressed in many tissues, including brain, bone marrow, lymph node, heart, lung, liver, pancreas, testis, ovary, and intestines. SERPINB12 is an inhibitor of trypsin-like serine proteinases and a new functional member of the human ov-serpin family.

Reagent

The antibody is supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.02% sodium azide.

Precautions and Disclaimer

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

Store at –20 °C. The product may be stored at 2-8 °C for up to three months. For prolonged storage, freeze in working aliquots at –20 °C. Avoid repeated freezing and thawing. Do not store in a “frost-free” freezer.

Product Profile

For immunoblotting, a working antibody dilution of ~1:1,000 is recommended.

Note: In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Attardi, L.D., et al., Genes Dev., **14**, 704-718 (2000).

KAA 11/05