

Product Information

Anti-SERPINB13

Produced in rabbit, Affinity Isolated Antibody

Product Number **S 9320**

Product Description

Anti-SERPINB13 is produced in rabbit using as immunogen a peptide corresponding to the human SERPINB13 protein (amino acids 310-324). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-SERPINB13 reacts with amino acid residues 310-324 (SIHKADYSGMSSGSG) of human SERPINB13. The antibody may be used in immunoblotting (~44 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. Differential display was used to identify a novel serpin (headpin, hurpin, or SERPINB13) that is underexpressed in squamous cell cancers of the oral cavity. SERPINB13 is expressed in normal oral mucosal tissue, skin, and cultured keratinocytes.

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 1:500-1:1,000 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. Spring, P., et al., *Biochem. Biophys. Res. Commun.*, **264**, 299-304 (1999).

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