

DSE Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9001c**Specification**

DSE Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UL01](#)**DSE Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 29940**Other Names**

Dermatan-sulfate epimerase, DS epimerase, Chondroitin-glucuronate 5-epimerase, Squamous cell carcinoma antigen recognized by T-cells 2, SART-2, DSE, SART2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9001c](/products/AP9001c) was selected from the Center region of human DSE. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DSE Antibody (Center) Blocking Peptide - Protein Information**Name** DSE**Synonyms** SART2**Function**

Converts D-glucuronic acid to L-iduronic acid (IdoUA) residues. Plays an important role in the biosynthesis of the glycosaminoglycan/mucopolysaccharide dermatan sulfate.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Microsome membrane; Multi-pass membrane protein

Tissue Location

Ubiquitously expressed with higher expression in kidney and ovary and lower expression in brain, colon and thymus. Also expressed in renal cell carcinomas, brain tumors, and in a part of melanomas and adenocarcinomas from organs other than the breast Expressed in squamous cell carcinomas (SCC), glioma, and some adenocarcinoma cell lines, but not in breast cancer cell lines or any normal tissues (at protein level).

DSE Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DSE Antibody (Center) Blocking Peptide - Images

DSE Antibody (Center) Blocking Peptide - Background

DSE is a tumor-rejection antigen. This antigen possesses tumor epitopes capable of inducing HLA-A24-restricted and tumor-specific cytotoxic T lymphocytes in cancer patients and may be useful for specific immunotherapy. This protein is localized to the endoplasmic reticulum.

DSE Antibody (Center) Blocking Peptide - References

Sasatomi,T., et.al., Cancer 94 (6), 1636-1641 (2002)