



DSE rabbit pAb

Catalog No	YP-Ab-08134
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	DSE SART2
Immunogen	Synthesized peptide derived from human DSE AA range: 164-214
Specificity	This antibody detects endogenous levels of DSE at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.249% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	dermatan sulfate epimerase;DS epimerase;DSE;DSEPI;SART 2;SART2;DSE SART2;Dermatan-sulfate epimerase (DS epimerase) (EC 5.1.3.19) (Chondroitin-glucuronate 5-epimerase) (Squamous cell carcinoma antigen recognized by T-cells 2) (SART-2)
Observed Band	105kD
Calculated Molecular Weight	105kD
Cell Pathway	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 Specificity	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).



Function

catalytic activity: Chondroitin D-glucuronate = dermatan L-iduronate.,
function: Converts D-glucuronic acid to L-iduronic acid (IdoUA) residues.,
pathway: Glycan metabolism; chondroitin sulfate biosynthesis., pathway: Glycan
metabolism; heparan sulfate biosynthesis., similarity: Belongs to the dermatan-
sulfate isomerase family., tissue specificity: 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).,

Background

The protein encoded by this gene is a tumor-rejection antigen. It is localized to
the endoplasmic reticulum and functions to convert D-glucuronic acid to L-
iduronic acid during the biosynthesis of dermatan sulfate. 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. Mutations in this gene cause in musculocontractural
Ehlers-Danlos syndrome. Alternative splicing results in multiple transcript
variants. A related pseudogene has been identified on chromosome 9, and a
paralogous gene exists on chromosome 18. [provided by RefSeq, Apr 2016],

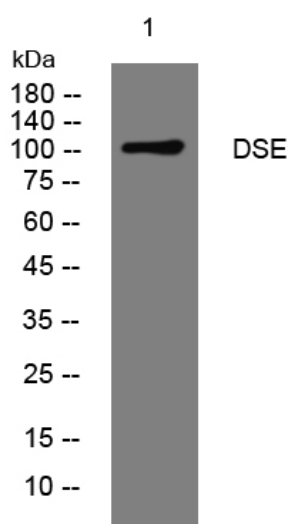
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For
more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from 293T cells,
primary antibody was diluted at 1:1000, 4° over night