

For Research Use Only

# DSE Monoclonal antibody

Catalog Number: 60041-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60041-1-Ig	<b>GenBank Accession Number:</b> BC039245	<b>Purification Method:</b> Thiophilic affinity chromatograph
<b>Size:</b> 150ul , Concentration: 1200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29940	<b>CloneNo.:</b> 2C9F7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9UL01	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgM	<b>Full Name:</b> dermatan sulfate epimerase	
<b>Immunogen Catalog Number:</b> AG0695	<b>Calculated MW:</b> 958 aa, 110 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : COLO 320 cells, IHC : human liver cancer tissue, IF/ICC : HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

DSE, also named as SART2 and DSEPI, is an enzyme that converts D-glucuronic acid to L-iduronic acid residues in dermatan sulphate biosynthesis. It is also identified to be a tumour-associated antigen. DSE is recognized by cytotoxic T cells (CTLs) and its enhanced expression in many cancers has been reported. DSE is a potential candidate for a tumour antigen with immunogenicity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jingyu Wang	36782279	Inflamm Regen	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

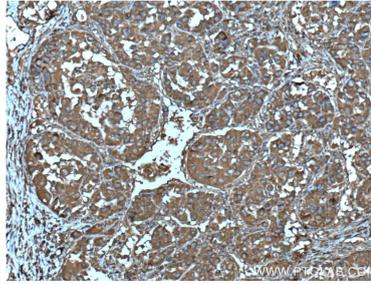
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

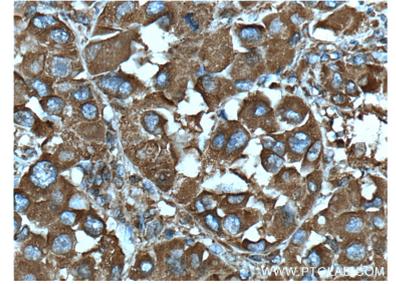
## Selected Validation Data



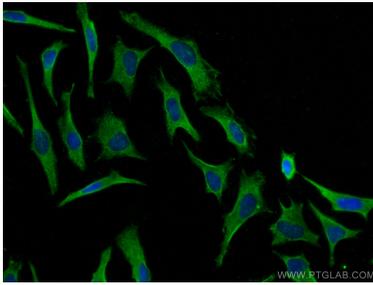
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60041-1-Ig (DSE antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60041-1-Ig (DSE Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60041-1-Ig (DSE Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using DSE antibody (60041-1-Ig, Clone: 2C9F7) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).