

For Research Use Only

# DSE Monoclonal antibody

Catalog Number: 60041-1-Ig 1 Publications



## Basic Information

Catalog Number: 60041-1-Ig	GenBank Accession Number: BC039245	Purification Method: Thiophilic affinity chromatograph
Size: 1200 µg/ml	GeneID (NCBI): 29940	CloneNo.: 2C9F7
Source: Mouse	UNIPROT ID: Q9UL01	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200 IF/ICC 1:400-1:1600
Isotype: IgM	Full Name: dermatan sulfate epimerase	
Immunogen Catalog Number: AG0695	Calculated MW: 958 aa, 110 kDa Observed MW: 100 kDa	

## Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : COLO 320 cells, IHC : human liver cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB	
Species Specificity: human	
Cited Species: 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

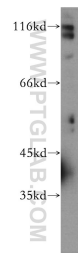
## Storage

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

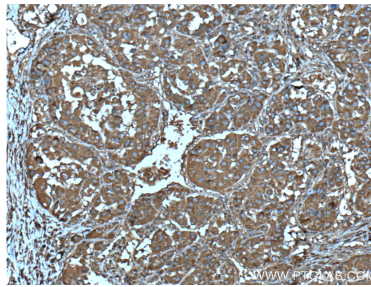
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

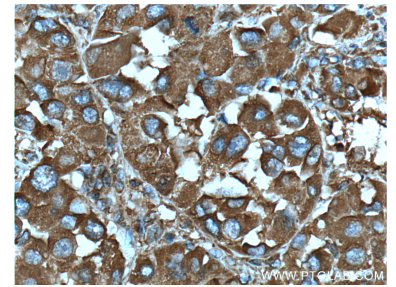
## Selected Validation Data



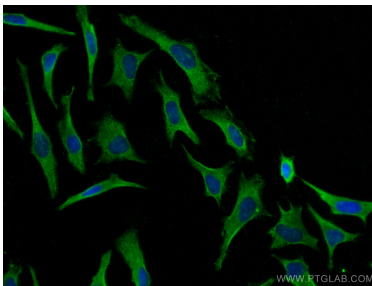
COLO 320 cells were subjected to SDS PAGE followed by western blot with 60041-1-Ig (DSE antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).