

For Research Use Only

# Multi-rAb® DHRS2 Multi-Recombinant antibody

Catalog Number: RMX00088



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>RMX00088                             | <b>GenBank Accession Number:</b><br>BC007339                       | <b>Purification Method:</b><br>N/A  |
| <b>Size:</b><br>100ul , Concentration: 1030 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>10202                                     | <b>Recommended Dilutions:</b><br>WB: 1:1000-1:8000<br>IHC: 1:250-1:1000<br>IF/ICC: 1:250-1:1000 |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q13268                                       |   |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>dehydrogenase/reductase (SDR family) member 2 |   |
|  | <b>Calculated MW:</b><br>300 aa, 32 kDa                            |   |
|  | <b>Observed MW:</b><br>27-30 kDa                                   |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, IHC, IF/ICC, ELISA  | <b>Positive Controls:</b><br>WB : HepG2 cells, U2OS cells<br>IHC : Hepatocellular carcinoma tissue,<br>IF/ICC : U2OS cells, |
| <b>Species Specificity:</b><br>human   |   |
| <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

DHRS2(Dehydrogenase/reductase SDR family member 2) is also named as dicarbonyl reductase HEP27, Protein D and belongs to the short-chain dehydrogenases/reductases (SDR) family. It displays NADPH-dependent dicarbonyl reductase activity in vitro with 3,4-Hexanedione, 2,3-Heptanedione and 1-Phenyl-1,2-propanedione as substrates and there is no reductase activity displayed in vitro with steroids, retinoids and sugars as substrates. This protein also may inhibit cell replication. It has 2 isoforms produced by alternative splicing with the molecular weight of 27 kDa and 29 kDa.

## Storage

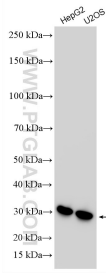
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol.  
Aliquoting is unnecessary for -20°C storage

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

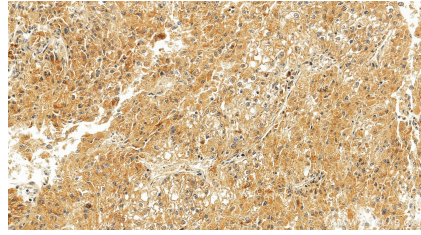
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

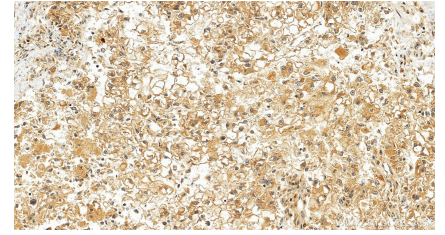
## Selected Validation Data



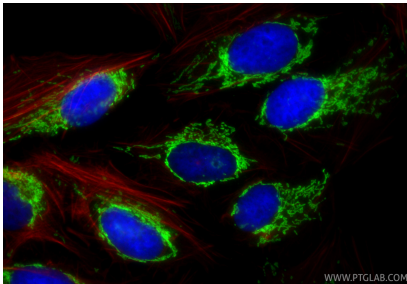
Various lysates were subjected to SDS PAGE followed by western blot with RMX00088 (DHRS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Hepatocellular carcinoma tissue slide using RMX00088 (DHRS2 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Hepatocellular carcinoma tissue slide using RMX00088 (DHRS2 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DHRS2 antibody (RMX00088) at dilution of 1:500 and CoralLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).