

For Research Use Only

# DHRS2 Recombinant monoclonal antibody

Catalog Number: 86309-2-RR



## Basic Information

<b>Catalog Number:</b> 86309-2-RR	<b>GenBank Accession Number:</b> BC007339	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 10202	<b>CloneNo.:</b> 250977F7
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q13268	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
<b>Immunogen Catalog Number:</b> AG8508	<b>Full Name:</b> dehydrogenase/reductase (SDR family) member 2	
	<b>Calculated MW:</b> 300 aa, 32 kDa	
	<b>Observed MW:</b> 27-30 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> SKOV-3 cells, U2OS cells <b>IF/ICC :</b> U2OS cells,

## 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, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

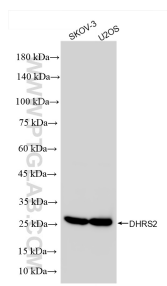
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

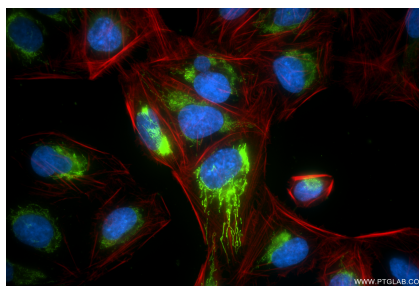
W: [ptgcn.com](http://ptgcn.com)

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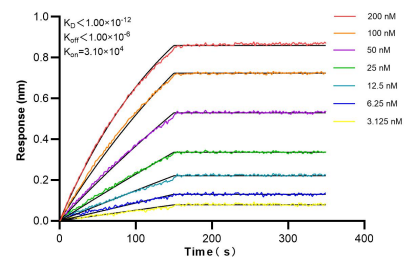
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86309-2-RR (DHRS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DHRS2 antibody (86309-2-RR, Clone: 250977F7) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86309-2-RR against Human DHRS2 were performed. The affinity constant is below 1 pM.