

For Research Use Only

# DHRS2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86309-2-PBS



## Basic Information

Catalog Number:	86309-2-PBS	GenBank Accession Number:	BC007339	Purification Method:	Protein A purification
Size:	1000ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	10202	CloneNo.:	250977F7
Source:	Rabbit	UNIPROT ID:	Q13268	Full Name:	
Isotype:	IgG	dehydrogenase/reductase (SDR family) member 2		Calculated MW:	300 aa, 32 kDa
Immunogen Catalog Number:	AG8508	Observed MW:	27-30 kDa		

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
human

## 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

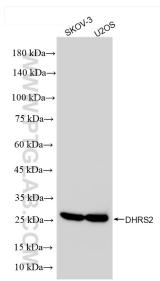
Storage:  
Store at -80°C.  
Storage Buffer:  
PBS only, pH7.3

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)

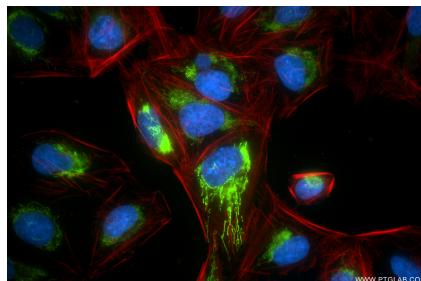
E: proteintech@ptglab.com  
W: ptglab.com

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

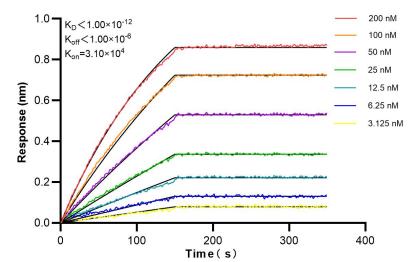
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86309-2-RR (DHR52 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86309-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DHR52 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). This data was developed using the same antibody clone with 86309-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86309-2-RR against Human DHR52 were performed. The affinity constant is below 1 pM.