

For Research Use Only

DHRS2 Recombinant monoclonal antibody

Catalog Number: 86309-2-RR



Basic Information

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

Applications

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

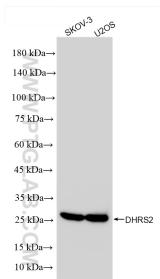
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

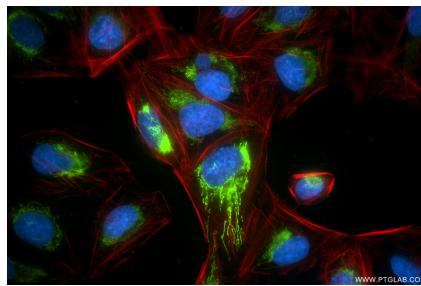
W: ptgcn.com

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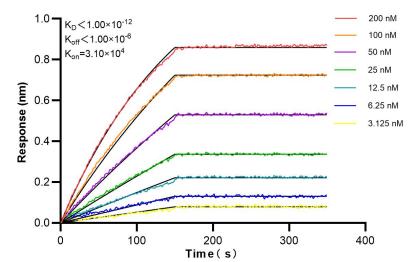
Selected Validation Data



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: 25097F7) 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.