

Rabbit anti-Human, Mouse DHRS2 Polyclonal Antibody | anti-DHRS2 antibody

DHRS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324657	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

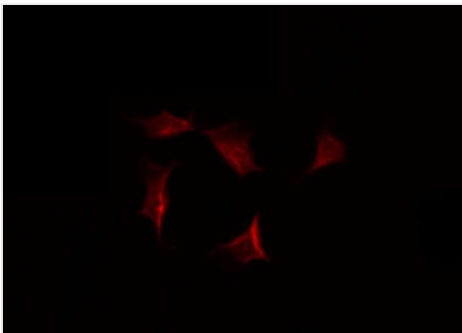
PRODUCT SYNONYMS

DHRS2; Polyclonal Antibody; DHRS2 Antibody; 5430405K24Rik; Dehydrogenase/reductase (SDR family) member 2; Dehydrogenase/reductase member 2; Dehydrogenase/reductase SDR family member 2; Dehydrogenase/reductase SDR family member 2 mitochondria; Dicarbonyl reductase HEP27; Hep27; HEP27 protein; MGC143467; Protein D; SDR family member; SDR25C1; Short chain alcohol dehydrogenase family member; Short chain dehydrogenase/reductase family 25C member 1; anti-DHRS2 antibody

PRODUCT SPECIFICATIONS

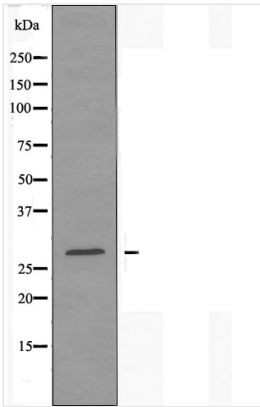
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DHRS2 antibody detects endogenous levels of total DHRS2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	280
Applicable Applications for anti-DHRS2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix. Nucleus. Note: A minor fraction of the protein is translocated from the mitochondria to the nucleus, after cleavage of the targeting signal.
Tissue Specificity	Widely expressed, with highest levels in liver and kidney, followed by heart, spleen, skeletal muscle and placenta. In hemopoietic cells, expressed in dendritic cells, but not in monocytes, macrophages, granulocytes, nor in B and T lymphocytes.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324657 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from COLO cells, using DHRS2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DHRS2 antibody

Function: Displays NADPH-dependent dicarbonyl reductase activity in vitro with 3, 4-Hexanedione, 2, 3-Heptanedione and 1-Phenyl-1, 2-propanedione as substrates. No reductase activity is displayed in vitro with steroids, retinoids and sugars as substrates. Attenuates MDM2-mediated p53/TP53 degradation, leading to p53/TP53 stabilization and increased transcription activity, resulting in the accumulation of MDM2 and CDKN1A/p21.

Subunit Structure: Directly interacts with MDM2; this interaction occurs in the nucleus and does not target DHRS2 to degradation.

Similarity: Belongs to the short-chain dehydrogenases/reductases (SDR) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031737
NCBI GeneID	10202
NCBI Accession #	NP_005785.1
NCBI GenBank Nucleotide #	NM_005794.3
UniProt Accession #	Q13268; Q53GS4; Q7Z789; Q9H2R2; D3DS54
Molecular Weight	Observed: 27 kD Predicted: 30 kDa
NCBI Official Full Name	dehydrogenase/reductase SDR family member 2, mitochondrial isoform 2
NCBI Official Synonym Full Names	dehydrogenase/reductase 2
NCBI Official Symbol	DHRS2
NCBI Official Synonym Symbols	HEP27; SDR25C1
NCBI Protein Information	dehydrogenase/reductase SDR family member 2, mitochondrial
UniProt Protein Name	Dehydrogenase/reductase SDR family member 2, mitochondrial
UniProt Gene Name	DHRS2
UniProt Synonym Gene Names	SDR25C1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

