# 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

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| **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<br>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

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| **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.<br>Subunit Structure: Directly interacts with MDM2; this interaction occurs in the nucleus and does not target DHRS2 to degradation.<br>Similarity: Belongs to the short-chain dehydrogenases/reductases (SDR) family. |

## NCBI AND UNIPROT INFORMATION

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| **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<br>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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/dhrs2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324657