

Rabbit DHRS3 Polyclonal Antibody | anti-DHRS3 antibody

DHRS3 Antibody

CATALOG # AAA322897	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DHRS3; Polyclonal Antibody; DHRS3 Antibody; DD83.1; Dehydrogenase/reductase (SDR family) member 3; DHRS3_HUMAN; EC 1.1.1.300; MGC125166; RDH17; Retinal short chain dehydrogenase/reductase 1; Retinal short-chain dehydrogenase/reductase 1; retSDR1; Rsdr1; SDR family; member 3; SDR1; SDR16C1; Short-chain dehydrogenase/reductase 3; Short-chain dehydrogenase/reductase family; anti-DHRS3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DHRS3 antibody detects endogenous levels of DHRS3.
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	302
Applicable Applications for anti-DHRS3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DHRS3.
Subcellular Location	Membrane.
Tissue Specificity	Widely expressed with highest levels found in heart, placenta, lung, liver, kidney, pancreas, thyroid, testis, stomach, trachea and spinal cord. Lower levels found in skeletal muscle, intestine and lymph node. No expression detected in brain. In the retina, expressed in cone but not rod outer segments.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%), Chicken (89%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of A375 cells, using DHRS3 antibody.



IHC (Immunohistochemistry)
AAA322897 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-DHRS3 antibody	Function: Catalyzes the reduction of all-trans-retinal to all-trans-retinol in the presence of NADPH. Similarity: Belongs to the short-chain dehydrogenases/reductases (SDR) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543615
NCBI GeneID	9249
NCBI Accession #	NP_004744.2
NCBI GenBank Nucleotide #	NM_004753.6
UniProt Accession #	O75911; Q5VUY3; Q6UY38; Q9BUC8; B2R7F3
Molecular Weight	Observed: 34 kDa Predicted: 34 kDa
NCBI Official Full Name	short-chain dehydrogenase/reductase 3 isoform 1
NCBI Official Synonym Full Names	dehydrogenase/reductase 3
NCBI Official Symbol	DHRS3
NCBI Official Synonym Symbols	SDR1; RDH17; Rsdr1; DD83.1; SDR16C1; retSDR1
NCBI Protein Information	short-chain dehydrogenase/reductase 3
UniProt Protein Name	Short-chain dehydrogenase/reductase 3
UniProt Gene Name	DHRS3
UniProt Synonym Gene Names	RDH17; SDR16C1; retSDR1

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.