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Dhrs7 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12758

Product Information

Application	WB
Primary Accession	Q9CXR1
Other Accession	NM_025522, NP_079798
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38167

Additional Information

Gene ID	66375
Alias Symbol	2310016E22Rik, 5730564L20Rik, AW061210, Retdsr4, Retsdr4
Other Names	Dehydrogenase/reductase SDR family member 7, 1.1.-.-, Retinal short-chain dehydrogenase/reductase 4, retSDR4, Dhrs7, Retsdr4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Dhrs7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Dhrs7 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

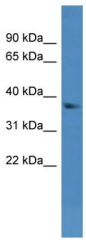
Name	Dhrs7 {ECO:0000312|MGI:MGI:1913625}
Synonyms	Retsdr4
Function	NADPH-dependent oxidoreductase which catalyzes the reduction of a variety of compounds bearing carbonyl groups including steroids, retinoids and xenobiotics. Catalyzes the reduction/inactivation of 5alpha-dihydrotestosterone to 3alpha-androstanediol, with a possible role in the modulation of androgen receptor function. Involved in the reduction of all-trans-retinal to all-trans-retinol. Converts cortisone to 20beta-dihydrocortisone in vitro, although the physiological relevance of this activity is questionable. Reduces exogenous compounds such as quinones

(1,2-naphtoquinone, 9,10-phenantrenequinone and benzoquinone) and other xenobiotics (alpha-diketones) in vitro, suggesting a role in the biotransformation of xenobiotics with carbonyl group. A dehydrogenase activity has not been detected so far. May play a role as tumor suppressor.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Y394}. Note=Bound to the endoplasmic reticulum membrane, possibly through a N-terminus anchor. The main bulk of the polypeptide chain was first reported to be facing toward the lumen of the endoplasmic reticulum. However, it was later shown to be facing the cytosol. {ECO:0000250|UniProtKB:Q9Y394}

Images



WB Suggested Anti-Dhrs7 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: Mouse Liver