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Dhrs7 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12758

Specification

Dhrs7 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9CXR1
Other Accession	NM_025522, NP_079798
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32kDa KDa**

Dhrs7 antibody - N-terminal region - 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.

Dhrs7 antibody - N-terminal region - 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.

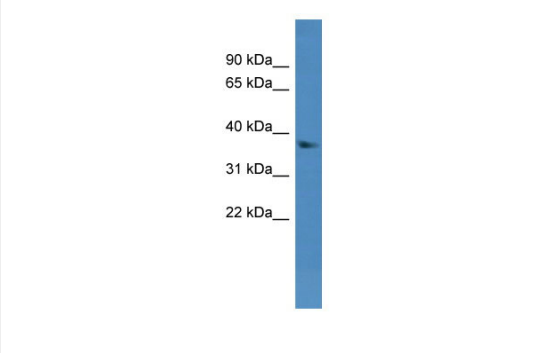
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9Y394}. Note=Bound to the endoplasmic reticulum membrane, possibly through a N-terminus anchor. The main bulk of the polypeptide chain was first reported to be facing toward the lumen of the endoplasmic reticulum. However, it was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

Dhrs7 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Dhrs7 antibody - N-terminal region - Images



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