

DHRS7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51757**Specification**

DHRS7 Antibody - Product Information

Application	WB, E
Primary Accession	O9Y394
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa

DHRS7 Antibody - Additional Information**Gene ID** 51635**Other Names**

Dehydrogenase/reductase SDR family member 7, 11--, Retinal short-chain dehydrogenase/reductase 4, retSDR4, DHRS7, DHRS7A, RETSDR4

DilutionWB~~1:1000
E~~N/A**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

DHRS7 Antibody - Protein Information**Name** DHRS7 ([HGNC:21524](#))**Function**

NADPH-dependent oxidoreductase which catalyzes the reduction of a variety of compounds bearing carbonyl groups including steroids, retinoids and xenobiotics (PubMed:24246760, PubMed:26466768, PubMed:28457967, PubMed:28687384). Catalyzes the reduction/inactivation of 5alpha-dihydrotestosterone to 3alpha-androstanediol, with a possible role in the modulation of androgen receptor function (PubMed:28457967, PubMed:28687384). Involved in the reduction of all-trans-retinal to all-trans-retinol (PubMed:26466768). Converts

cortisone to 20beta- dihydrocortisone in vitro, although the physiological relevance of this activity is questionable (PubMed:28457967). Reduces exogenous compounds such as quinones (1,2-naphthoquinone, 9,10-phenanthrenequinone and benzoquinone) and other xenobiotics (alpha-diketones) in vitro, suggesting a role in the biotransformation of xenobiotics with carbonyl group (PubMed:24246760, PubMed:26466768). A dehydrogenase activity has not been detected so far (PubMed:24246760). May play a role as tumor suppressor (PubMed:26311046).

Cellular Location

Endoplasmic reticulum membrane. 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 (PubMed:24246760) However, it was later shown to be facing the cytosol (PubMed:28457967)

Tissue Location

Found predominantly in the adrenal glands, liver, thyroid, prostate, small intestine, colon, stomach, kidney and brain (PubMed:26466768). Lower levels observed in skeletal muscle, the lung and the spleen (PubMed:26466768).

DHRS7 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DHRS7 Antibody - Images

DHRS7 Antibody - References

Lai C.-H.,et al.Genome Res. 10:703-713(2000).
Haeseleer F.,et al.Methods Enzymol. 316:372-383(2000).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).