

DHRS4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14805**Specification**

DHRS4 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9BTZ2
Other Accession	NM_021004 , NP_066284
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

DHRS4 antibody - N-terminal region - Additional Information**Gene ID** 10901**Alias Symbol** **FLJ11008, NRDR, SCAD-SRL, SDR-SRL, SDR25C1****Other Names**

Dehydrogenase/reductase SDR family member 4, 1.1.1.184, NADPH-dependent carbonyl reductase/NADP-retinol dehydrogenase, CR, PHCR, NADPH-dependent retinol dehydrogenase/reductase, NRDR, humNRDR, Peroxisomal short-chain alcohol dehydrogenase, PSCD, SCAD-SRL, Short-chain dehydrogenase/reductase family member 4, DHRS4

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-DHRS4 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

DHRS4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

DHRS4 antibody - N-terminal region - Protein Information**Name** DHRS4 ([HGNC:16985](#))**Function**

NADPH-dependent oxidoreductase which catalyzes the reduction of a variety of compounds bearing carbonyl groups including ketosteroids, alpha-dicarbonyl compounds, aldehydes, aromatic ketones and quinones (PubMed:<a href="http://www.uniprot.org/citations/18571493"

target="_blank">18571493, PubMed:19056333). Reduces 3-ketosteroids and benzil into 3beta-hydroxysteroids and R-benzoin, respectively, in contrast to the stereoselectivity of non-primate DHRS4s which produce 3alpha-hydroxysteroids and S-benzoin (PubMed:19056333). Displays low activity toward all-trans-retinal and no activity toward 9-cis-retinal as compared to non-primate mammals (PubMed:18571493, PubMed:19056333). In the reverse reaction, catalyze the NAD-dependent oxidation of 3beta-hydroxysteroids and alcohol, but with much lower efficiency (PubMed:18571493, PubMed:19056333). Involved in the metabolism of 3beta-hydroxysteroids, isatin and xenobiotic carbonyl compounds (PubMed:18571493, PubMed:19056333).

Cellular Location

[Isoform 1]: Peroxisome Note=Isoform 4 is not peroxisomal.

Tissue Location

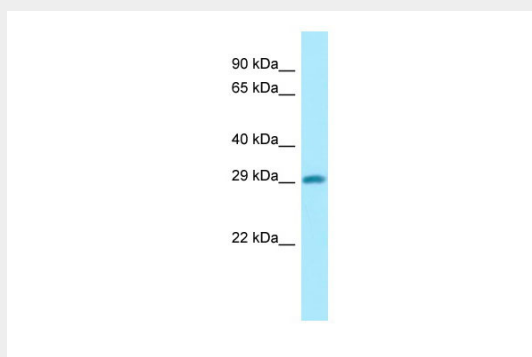
[Isoform 1]: Predominantly expressed in normal cervix (at protein level). [Isoform 5]: Expressed in a few neoplastic cervical tissues. [Isoform 8]: High expression in liver.

DHRS4 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 Cytometry](#)
- [Cell Culture](#)

DHRS4 antibody - N-terminal region - Images



WB Suggested Anti-DHRS4 Antibody Titration: 1.0 µg/ml

Positive Control: COLO205 Whole Cell DHRS4 is supported by BioGPS gene expression data to be expressed in COLO205

DHRS4 antibody - N-terminal region - References

Fransen M.,et al.Biochem. J. 340:561-568(1999).

Furukawa A.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.

Du J.,et al.Yi Chuan Xue Bao 31:661-667(2004).

Tu Q.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.

Li Y.F.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.