

DHRS4 Polyclonal Antibody

Cat No: HR1AP3281

For research use only

Overview

Product Name	DHRS4 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	32-34kDa
GeneID?Human?	DHRS4
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	DHRS4; Dehydrogenase/reductase SDR family member 4; NADPH-dependent carbonyl reductase/NADP-retinol dehydrogenase; CR; PHCR; NADPH-dependent retinol dehydrogenase/reductase; NRDR; humNRDR; Peroxisomal
Background	<p>catalytic activity:R-CHOH-R' + NADP(+) = R-CO-R' + NADPH.,function:Reduces all-trans-retinal and 9-cis retinal. Can also catalyze the oxidation of all-trans-retinol with NADP as co-factor, but with much lower efficiency. Reduces alkyl phenyl ketones and alpha-dicarbonyl compounds with aromatic rings, such as pyrimidine-4-aldehyde, 3-benzoylpyridine, 4-benzoylpyridine, menadione and 4-hexanoylpyridine. Has no activity towards aliphatic aldehydes and ketones.,miscellaneous:Inhibited by kaempferol, quercetin, genistein and myristic acid.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family.,subcellular location:Isoform 1 is peroxisomal, while isoform 4 is not.,subunit:Homotetramer.,tissue specificity:Isoform 1 is predominantly expressed in normal cervix (at protein level). Isoform 4 is expressed in some neoplastic cervical tissues, but not in normal cervix (at protein level). Isoforms 5 and 6 are expressed in a few neoplastic cervical tissues.,</p>