

**产品名称: DHRS4 Rabbit Polyclonal Antibody**  
**产品货号: APRab09971**



## 产品概述 (Summary)

|                        |                                  |
|------------------------|----------------------------------|
| 产品名称 (Production Name) | DHRS4 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody       |
| 宿主 (Host)              | Rabbit                           |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA              |
| 种属反应性 (Reactivity)     | Human,Rat,Mouse                  |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | DHRS4<br>DHRS4; Dehydrogenase/reductase SDR family member 4; NADPH-dependent carbonyl reductase/NADP-retinol dehydrogenase; CR; PHCR; NADPH-dependent retinol dehydrogenase/reductase; NRDR; humNRDR; Peroxisomal short-chain alcohol dehydrogenase; PSCD |
| 别名 (Alternative Names) |                                                                                                                                                                                                                                                           |
| 基因 ID (Gene ID)        | 10901.0                                                                                                                                                                                                                                                   |
| 蛋白 ID (SwissProt ID)   | Q9BTZ2.The antiserum was produced against synthesized peptide derived from human DHRS4. AA range:191-240                                                                                                                                                  |

## 产品应用 (Application)

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio) | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000 |
|----------------------|-------------------------------------------------------------------------|

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蛋白分子量 (Molecular Weight) 32-34kDa

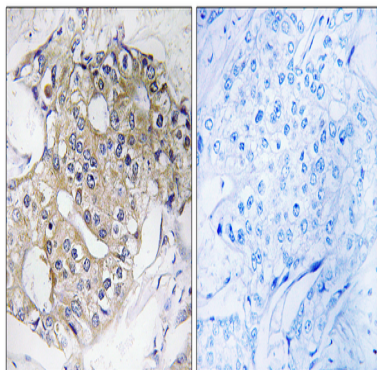
## 研究背景 (Background)

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., 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.,

## 研究领域 (Research Area)

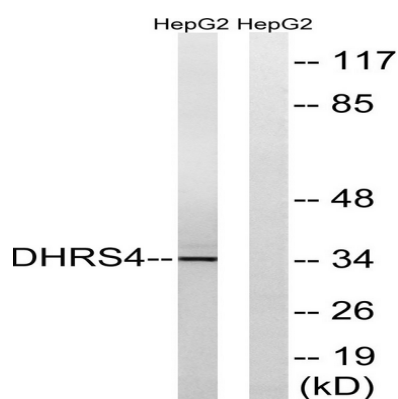
Retinol metabolism;

## 图片 (Image Data)

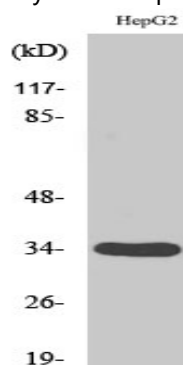


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using DHRS4 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HepG2 cells, using DHRS4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using DHRS4 Polyclonal Antibody diluted at 1: 2000

### 注意事项 (Note)

For research use only .