

## Anti-DHRS2 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 27 kDa. Actual: 27 kDa.
Purification:	Protein A purified

### Applications

1. Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;  
Incubation: Anti-DHRS Polyclonal Antibody, Unconjugated (TMAB-05130) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining
2. Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;  
Incubation: Anti-DHRS Polyclonal Antibody, Unconjugated (TMAB-05130) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining
3. Protein: liver (mouse) lysates at 30 µg;  
Primary: Anti-DHRS2 (TMAB-05130) at 1:300;  
Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 3000;  
ECL excited the fluorescence;  
Predicted band size: 27 kD  
Observed band size: 27/75 kD
4. Protein: lung (mouse) lysates at 40 µg;  
Primary: Anti-DHRS2 (TMAB-05130) at 1:300;  
Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000;  
ECL excited the fluorescence;  
Predicted band size: 27 kD  
Observed band size: 27 kD
5. Protein: Hela (Human) lysates at 40 µg;  
Primary: rabbit Anti-DARC (TMAB-05130) at 1:300;  
Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1: 5000;  
Predicted band size: 27 kD  
Observed band size: 30 kD

### Verified Activity:

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human DHRS2

Antigen Species: Human

Gene ID: 10202

Uniprot ID: Q13268

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### Research Background

DHRS2 is a 258 amino acid protein that localizes to the nucleus and belongs to the short-chain dehydrogenase/reductase (SDR) family. Functioning as an NADPH-dependent dicarbonyl reductase, DHRS2 is thought to inhibit cell replication by either converting cortisone in cortisol, or by catalyzing the oxidation of androgen and estrogen. The gene encoding DHRS2 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presenilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder  $\alpha$ -antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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