

## Anti-Dihydrofolate reductase Antibody (2V859)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	2V859
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate, Raji whole cell lysate, 293T whole cell lysate, Rat heart tissue, Mouse kidney tissue, Mouse liver tissue</li><li>-All lanes: DHFR antibody at 1:2000</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 22, 16 kDa</li><li>-Observed band size: 22 kDa</li></ul> <p>2. IHC image of TMAH-00344 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> <p>3. IHC image of TMAH-00344 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> <p>4. Immunoprecipitating DHFR in Hela whole cell lysate</p> <ul style="list-style-type: none"><li>-Lane 1: Rabbit control IgG instead of TMAH-00344 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)</li><li>-Lane 2: TMAH-00344(2µg)+ Hela whole cell lysate(500µg)</li><li>-Lane 3: Hela whole cell lysate (10µg)</li></ul>
Application:	ELISA, WB, IHC, IP

## A DRUG SCREENING EXPERT

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Recommended WB:1:500-1:5000; IHC:1:50-1:200; IP:1:200-1:1000.

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### Properties

Stability & Storage: 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: A synthetic peptide: Human DHFR

Antigen Species: Human

Gene ID: 1719

Uniprot ID: P00374

Biology Area: Cancer, Cell biology, Metabolism, Signal transduction

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### Research Background

Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis. Binds its own mRNA and that of DHFR2.

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

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