Data Sheet (Cat.No.TMAB-05123)

Anti-DHFR Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 21 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Tissue/cell: mouse embryo 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℃ for 20 min; Incubation: Anti-DHFR Polyclonal Antibody, Unconjugated (TMAB-05123) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining 2. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with DHFR Polyclonal Antibody, Unconjugated (TMAB-05123) at 1: 200 overnight at 4℃, followed by conjugation to the SP Kit (Rabbit) and DAB staining. 3. Paraformaldehyde-fixed, paraffin embedded Human Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with DHFR Polyclonal Antibody, Unconjugated (TMAB-05123) at 1: 200 overnight at 4℃, followed by conjugation to the SP Kit (Rabbit) and DAB staining. 4. Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with DHFR Polyclonal Antibody, Unconjugated (TMAB-05123) at 1: 200 overnight at 4℃, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:50-200

Properties

Stability & Storage:	Store at 2℃-8℃ for 1 month. Store at -20℃ or -80℃ for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human DHFR
Antigen Species:	Human
Gene ID:	1719
Uniprot ID:	P00374

Research Background

DHFR catalyzes the NADPH-dependent reduction of dihydrofolate to tetrahydrofolate, and is a crucial enzyme for the synthesis of purines, pyrimidines and some amino acids. Inhibition of the activity of this enzyme leads to arrest of DNA synthesis and cell death. Gene expression of methotrexate (MTX)-resistant variants of DHFR in normal hematopoietic cells is a potential strategy to permit administration of larger doses of MTX by alleviating drug toxicity in normal cells and tissues that are drug sensitive.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481