

## Product datasheet for **TA366145**

### DHFR Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 293T cell lysate IHC: 50-300 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DHFR
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	21 kDa
Gene Name:	dihydrofolate reductase
Database Link:	<a href="#">Entrez Gene 1719 Human P00374</a>



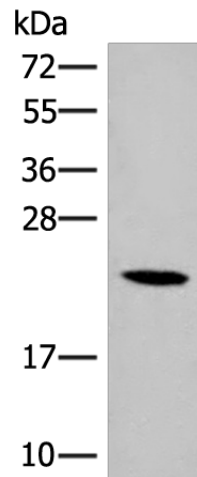
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**Background:**

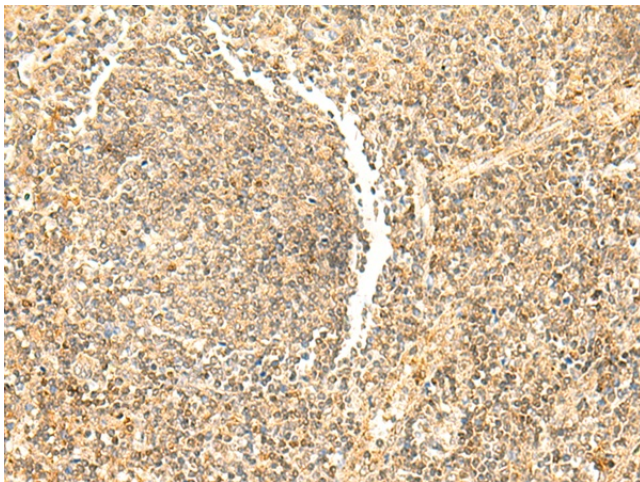
Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylic acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. Several transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

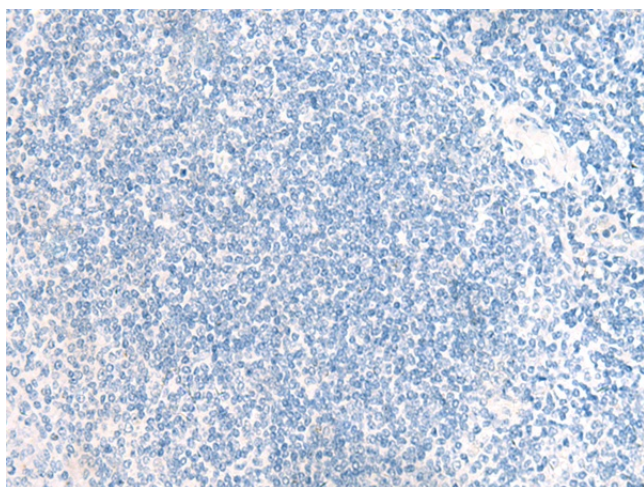
DHFR

**Product images:**

Gel: 12%SDS-PAGE  
Lysate: 40 µg  
Lane: 293T cell lysate  
Primary antibody: TA366145 (DHFR Antibody) at dilution 1/400  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366145 (DHFR Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366145 (DHFR Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)