

For Research Use Only

# DHFR Recombinant antibody, PBS Only

Catalog Number: 81021-1-PBS

Featured Product



## Basic Information

<b>Catalog Number:</b> 81021-1-PBS	<b>GenBank Accession Number:</b> BC000192	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 1719	<b>CloneNo.:</b> 7P5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00374	
<b>Isotype:</b> IgG	<b>Full Name:</b> dihydrofolate reductase	
<b>Immunogen Catalog Number:</b> AG7331	<b>Calculated MW:</b> 21 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

DHFR (dihydrofolate reductase) catalyzes the subsequent NADPH-dependent reduction of the H<sub>2</sub>folate produced by TS to regenerate the tetrahydrofolate (H<sub>4</sub>folate) necessary for continued dTMP synthesis and transfer of 1-carbon units (PMID:3461439). It belongs to the dihydrofolate reductase family and can exist as a homodimer (PMID:2248959). DHFR is widely expressed in fetal and adult human brain and whole blood, expression is higher in adult brain than fetal brain (PMID:21310276).

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

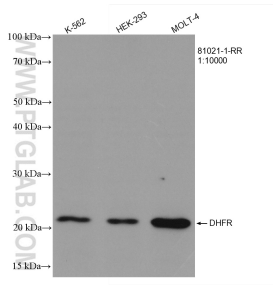
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

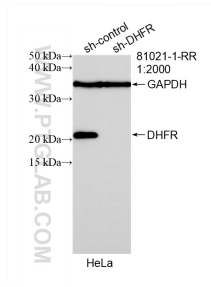
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

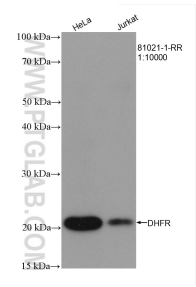
## Selected Validation Data



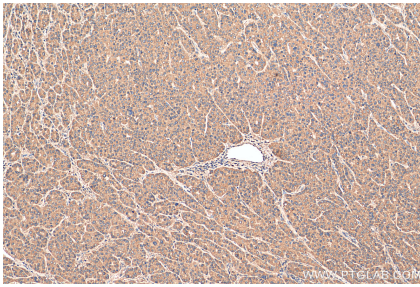
Various lysates were subjected to SDS PAGE followed by western blot with 81021-1-RR (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



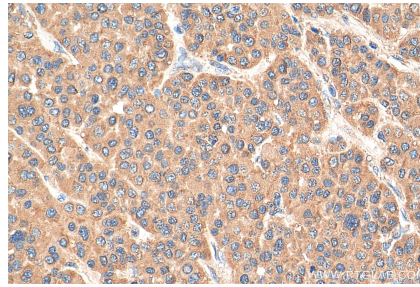
WB result of DHFR antibody (81021-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHFR transfected HeLa cells. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



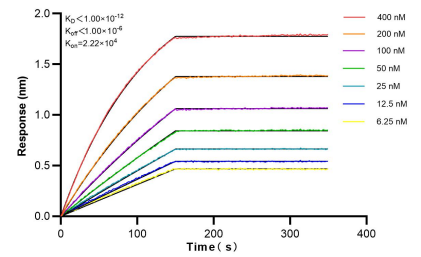
Various lysates were subjected to SDS PAGE followed by western blot with 81021-1-RR (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81021-1-RR (DHFR antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81021-1-RR (DHFR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 81021-1-RR against Human DHFR were performed. The affinity constant is below 1 pM.