

For Research Use Only

DHFR Recombinant antibody, PBS Only

Catalog Number: 81021-1-PBS

Featured Product



Basic Information

Catalog Number: 81021-1-PBS	GenBank Accession Number: BC000192	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1719	CloneNo.: 7P5
Source: Rabbit	UNIPROT ID: P00374	
Isotype: IgG	Full Name: dihydrofolate reductase	
Immunogen Catalog Number: AG7331	Calculated MW: 21 kDa	
	Observed MW: 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 H2folate produced by TS to regenerate the tetrahydrofolate (H4folate) 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.

Storage Buffer:
PBS Only

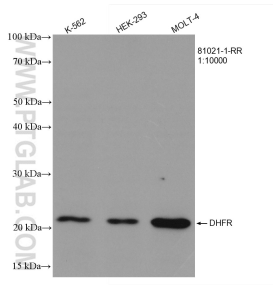
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

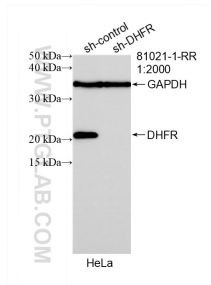
E: proteintech@ptglab.com
W: ptglab.com

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

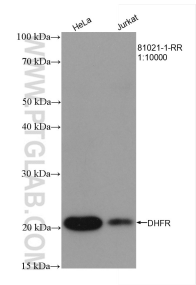
Selected Validation Data



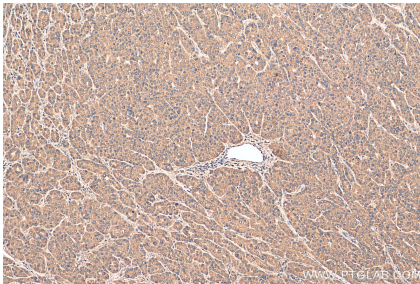
Various lysates were subjected to SDS PAGE followed by western blot with 81021-1-RR (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



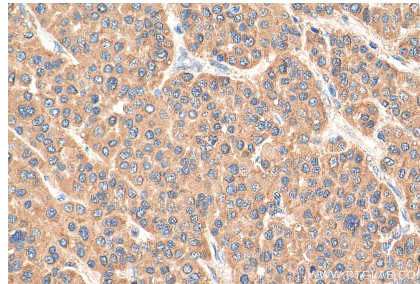
WB result of DHFR antibody (81021-1-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHFR transfected HeLa cells. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



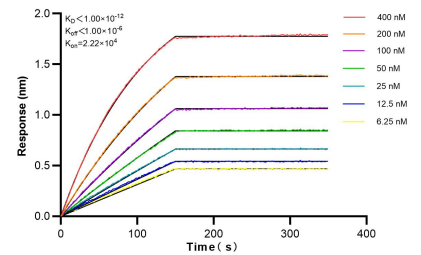
Various lysates were subjected to SDS PAGE followed by western blot with 81021-1-RR (DHFR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81021-1-PBS in a different storage buffer formulation.



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.