

Product Datasheet

Dihydrofolate Reductase/DHFR Antibody (OTI6G7) NBP1-47727

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-47727**Dihydrofolate Reductase/DHFR Antibody (OTI6G7)****Product Information**

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI6G7
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	21.5 kDa

Product Description

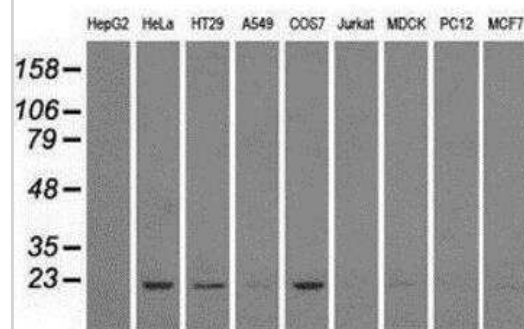
Host	Mouse
Gene ID	1719
Gene Symbol	DHFR
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This antibody is specific for Homo sapiens dihydrofolate reductase (DHFR).
Immunogen	Full-length protein expressed in 293T cell transfected with human DHFR expression vector

Product Application Details

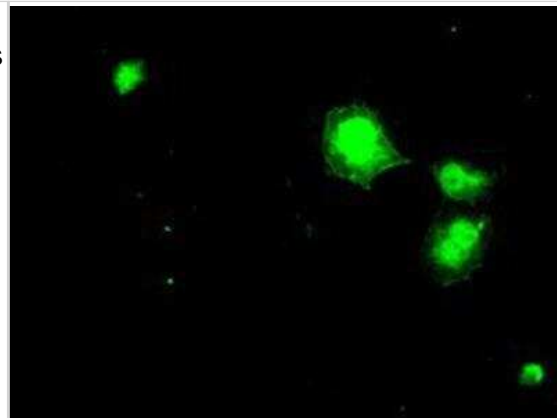
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50

Images

Western Blot: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Dihydrofolate reductase monoclonal antibody.



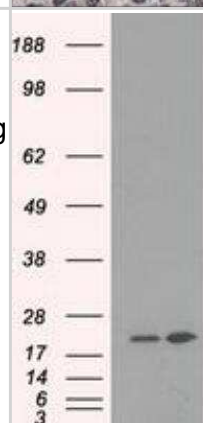
Immunocytochemistry/Immunofluorescence: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Dihydrofolate reductase.



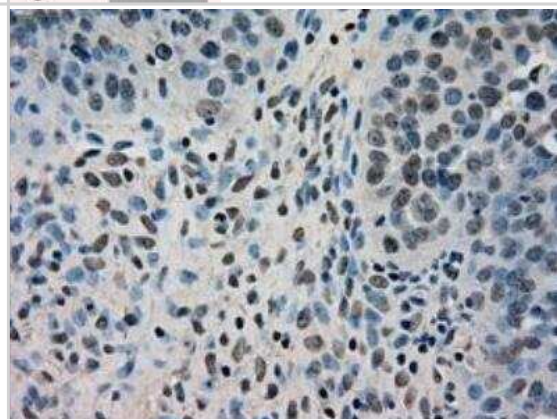
Immunohistochemistry-Paraffin: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Staining of paraffin-embedded Carcinoma of kidney tissue using anti-Dihydrofolate reductase mouse monoclonal antibody.



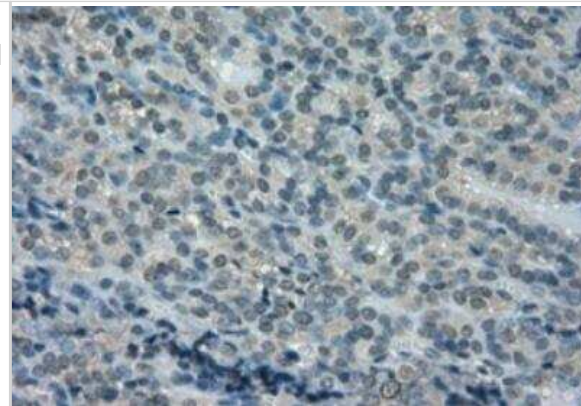
Western Blot: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Dihydrofolate reductase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Dihydrofolate reductase.



Immunohistochemistry-Paraffin: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Paraffin-embedded Adenocarcinoma of ovary tissue using anti-DHFR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, Dilution 1:50)



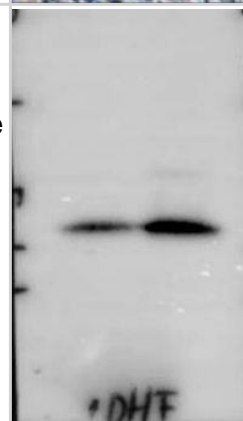
Immunohistochemistry-Paraffin: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Paraffin-embedded Carcinoma of thyroid tissue using anti-DHFR mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, Dilution 1:50)



Immunohistochemistry-Paraffin: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-Dihydrofolate reductase mouse monoclonal antibody.



Western Blot: Dihydrofolate Reductase/DHFR Antibody (6G7) [NBP1-47727] - Left: lysate of glioblastoma xenograft. Non-treated. Right: methotrexate-treated lysate of glioblastoma xenograft. 10 ug each protein were loaded. Antibody dilution is 1/3000 in 2% BSA TBST. Image from verified customer review.



Publications

Okada M, Suzuki S, Togashi K et al. Targeting Folate Metabolism Is Selectively Cytotoxic to Glioma Stem Cells and Effectively Cooperates with Differentiation Therapy to Eliminate Tumor-Initiating Cells in Glioma Xenografts International Journal of Molecular Sciences 2021-10-27 [PMID: 34769063] (In vivo assay)



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Products Related to NBP1-47727

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
8456-DR-100	Dihydrofolate Reductase/DHFR [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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