

# Product Datasheet

## Fumarase Antibody (OTI1F10)

### NBP1-47754

Unit Size: 0.1 ml

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

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**NBP1-47754**

Fumarase Antibody (OTI1F10)

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI1F10
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	50.2 kDa

**Product Description**

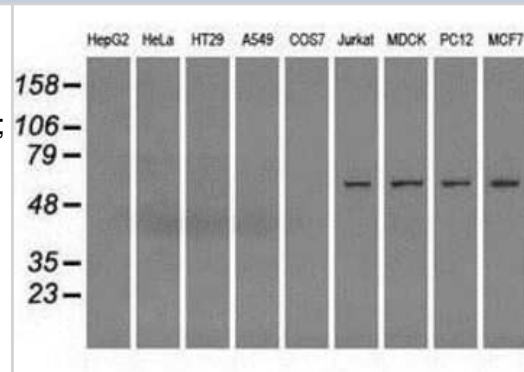
<b>Host</b>	Mouse
<b>Gene ID</b>	2271
<b>Gene Symbol</b>	FH
<b>Species</b>	Human, Mouse, Rat, Canine
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high 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.
<b>Specificity/Sensitivity</b>	This antibody is specific for Homo sapiens fumarate hydratase (FH), nuclear gene encoding mitochondrial protein.
<b>Immunogen</b>	Full length human recombinant protein of human FH (NP_000134) produced in HEK293T cell.

**Product Application Details**

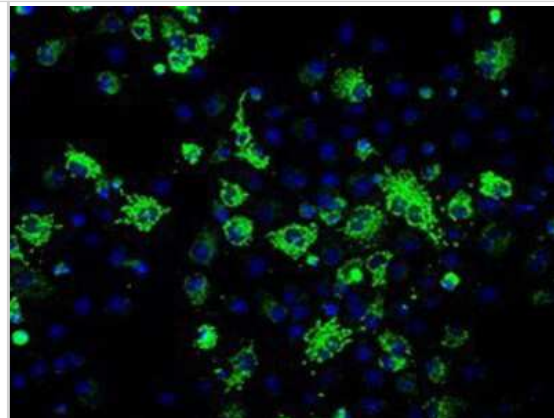
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50

**Images**

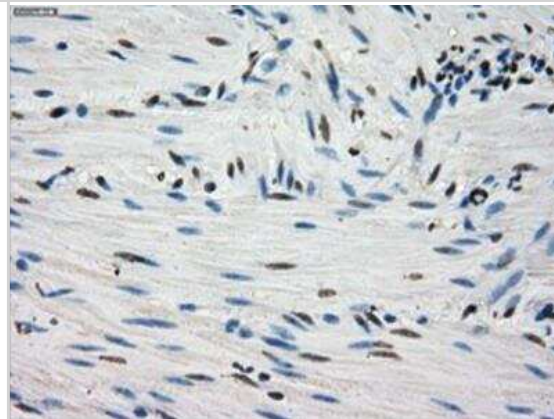
Western Blot: Fumarase Antibody (1F10) [NBP1-47754] Analysis of extracts (35ug) from 9 different cell lines by using anti-Fumarase monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



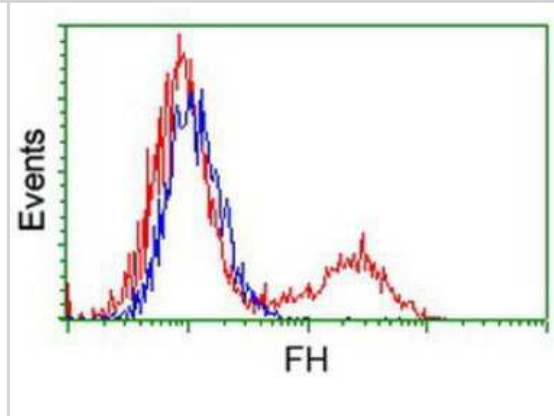
Immunocytochemistry/Immunofluorescence: Fumarase Antibody (1F10) [NBP1-47754] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Fumarase.



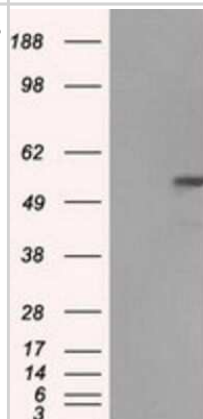
Immunohistochemistry: Fumarase Antibody (OT11F10) [NBP1-47754] - Fumarase Antibody (1F10) [NBP1-47754] - Staining of paraffin-embedded Human colon tissue using anti-Fumarase mouse monoclonal antibody.



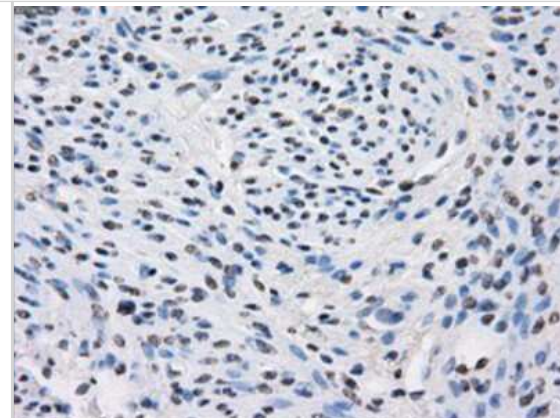
Flow Cytometry: Fumarase Antibody (1F10) [NBP1-47754] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Fumarase antibody, and then analyzed by flow cytometry.



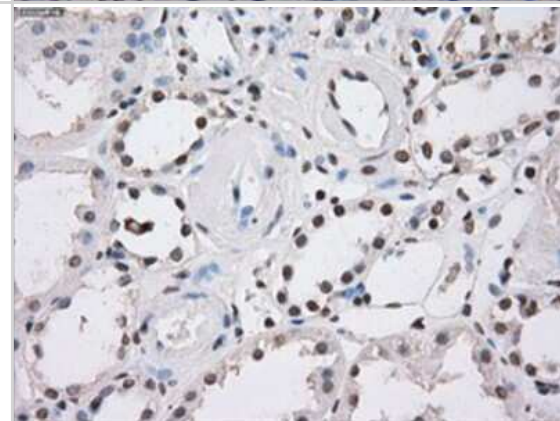
Western Blot: Fumarase Antibody (1F10) [NBP1-47754] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Fumarase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Fumarase.



Immunohistochemistry-Paraffin: Fumarase Antibody (1F10) [NBP1-47754] - Staining of paraffin-embedded Human endometrium tissue using anti-Fumarase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Fumarase Antibody (1F10) [NBP1-47754] - Staining of paraffin-embedded Human Kidney tissue using anti-Fumarase mouse monoclonal antibody.



## Publications

Rodriguez-Rivera C, Gonzalez-Martín C, Fernandez-Millán E et al. Perinatal undernourishment provokes long-lasting alterations of clusterin and fumarate hydratase expression in the rat nucleus accumbens Nutritional neuroscience 2021-03-23 [PMID: 33755527] (WB, Rat)



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### **Products Related to NBP1-47754**

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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)
NBC1-18871	Recombinant Human Fumarase Protein

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### **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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