

# Product Datasheet

## AIF Antibody (4E7) NBP2-37577

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 4

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**NBP2-37577**

AIF Antibody (4E7)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4E7
Preservative	0.03% Sodium Azide
Isotype	IgG2b
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	67 kDa

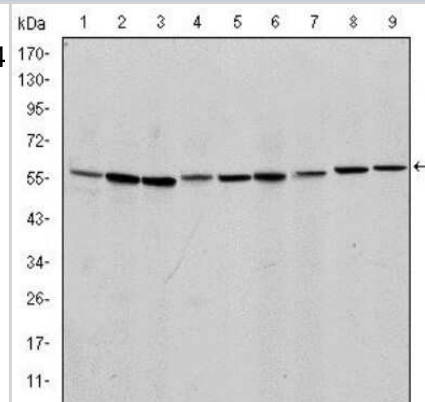
Product Description	
Description	Novus Biologicals Mouse AIF Antibody (4E7) (NBP2-37577) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-AIF Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	9131
Gene Symbol	AIFM1
Species	Human, Mouse, Rat, Monkey, Primate
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.
Immunogen	Purified recombinant fragment of human AIF expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000

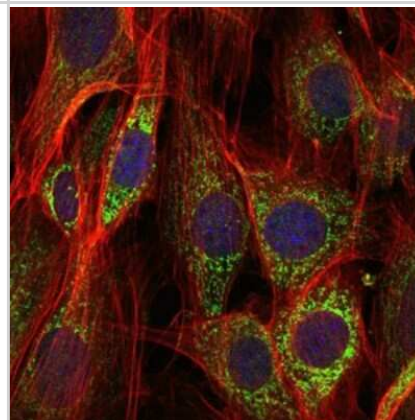


## Images

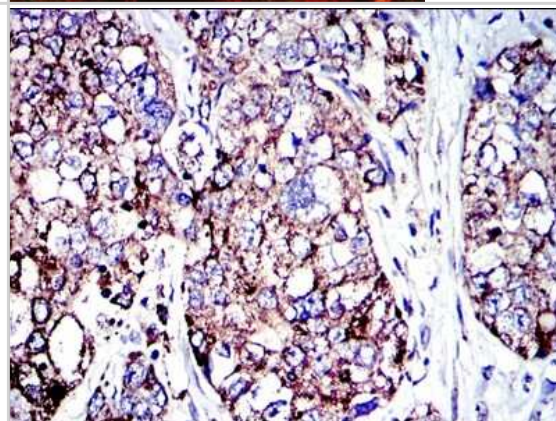
Western Blot: AIF Antibody (4E7) [NBP2-37577] - Analysis using AIF mouse mAb against NIH/3T3 (1), Jurkat (2), Hela (3), HepG2 (4), MOLT4 (5), C6 (6), RAJI (7), Cos7 (8) and PC-12 (9) cell lysate.



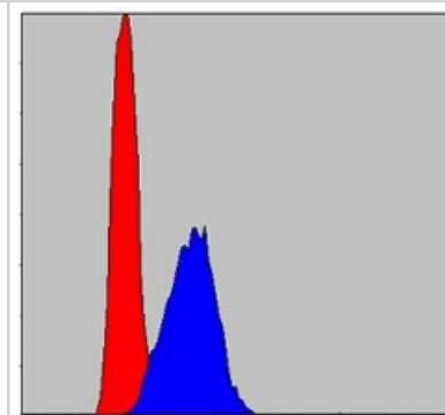
Immunocytochemistry/Immunofluorescence: AIF Antibody (4E7) [NBP2-37577] - Analysis of NIH/3T3 cells using AIF mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



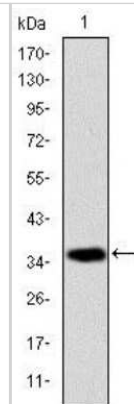
Immunohistochemistry-Paraffin: AIF Antibody (4E7) [NBP2-37577] - Analysis of human lung cancer tissues using AIF mouse mAb with DAB staining.



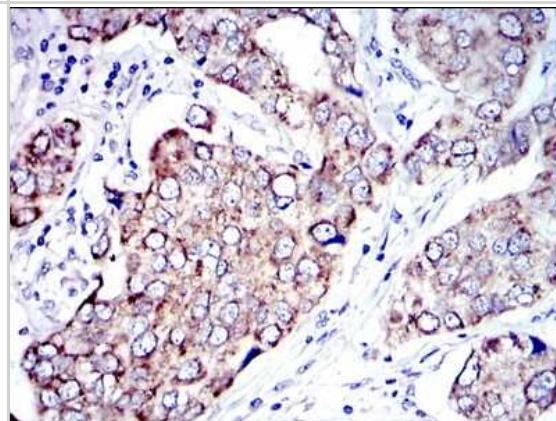
Flow Cytometry: AIF Antibody (4E7) [NBP2-37577] - Analysis of HepG2 cells using AIF mouse mAb (blue) and negative control (red).



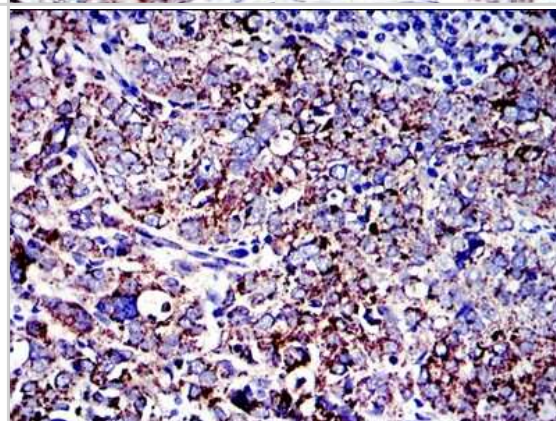
Western Blot: AIF Antibody (4E7) [NBP2-37577] - Analysis using AIF mAb against human AIF (AA: 1-261) recombinant protein. (Expected MW is 35.6 kDa)



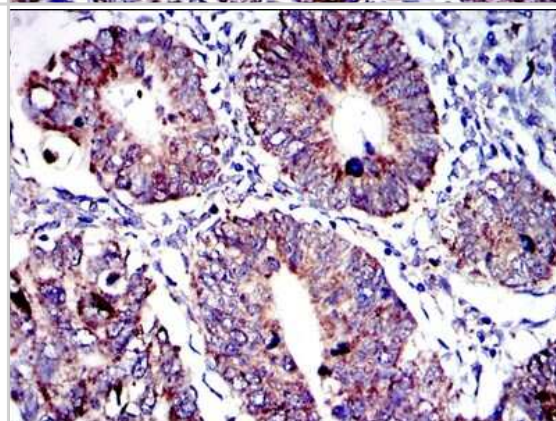
Immunohistochemistry-Paraffin: AIF Antibody (4E7) [NBP2-37577] - Analysis of human breast cancer tissues using AIF mouse mAb with DAB staining.



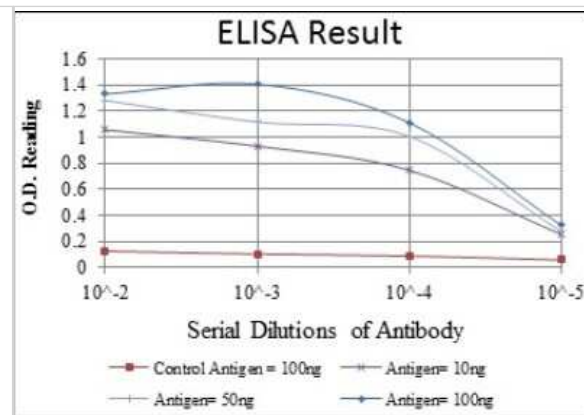
Immunohistochemistry-Paraffin: AIF Antibody (4E7) [NBP2-37577] - Analysis of human cervical cancer tissues using AIF mouse mAb with DAB staining.



Immunohistochemistry-Paraffin: AIF Antibody (4E7) [NBP2-37577] - Analysis of human rectum cancer tissues using AIF mouse mAb with DAB staining.



ELISA: AIF Antibody (4E7) [NBP2-37577] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



## Publications

Rudalska R, Harbig J, Snaebjornsson M et al. LXR alpha activation and Raf inhibition trigger lethal lipotoxicity in liver cancer Nature Cancer 2021-02-01 [PMID: 35122079]

Chen D, Osipyan A, Adriana J et al. Allosteric Inhibitors of Macrophage Migration Inhibitory Factor (MIF) Interfere with Apoptosis-Inducing Factor (AIF) Co-Localization to Prevent Parthanatos Journal of medicinal chemistry 2023-06-23 [PMID: 37352470] (ELISA, Human)

Culjat M, Miloevic NJ Mitochondrial Dysfunction Leads to Cortical Under-Connectivity and Cognitive Impairment Neuron 2019-05-02 [PMID: 31079872]

Jain S, Ahmad Y, Bhargava K. Salivary proteome patterns of individuals exposed to High Altitude. Arch. Oral Biol. 2018-09-07 [PMID: 30219637] (WB, Human)







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### **Products Related to NBP2-37577**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-51612-0.1mg	Recombinant Human AIF His 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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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