

Product Datasheet

AIF Antibody NBP2-42509

Unit Size: 0.1 mg

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

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Publications: 1

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NBP2-42509

AIF Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

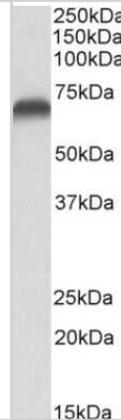
Product Description	
Description	Novus Biologicals Goat AIF Antibody (NBP2-42509) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-AIF Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	9131
Gene Symbol	AIFM1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1) and isoform 5 (NP_001124319).
Immunogen	Peptide with sequence C-DDPNVTKTLRFKQ corresponding to internal region according to NP_004199.1, NP_665811.1, NP_001124319.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/mL, Immunohistochemistry 5 - 7 ug/mL, Immunocytochemistry/ Immunofluorescence 5 - 10 ug/mL, Immunohistochemistry-Paraffin 5 - 7 ug/mL, Peptide ELISA Detection limit 1:128000

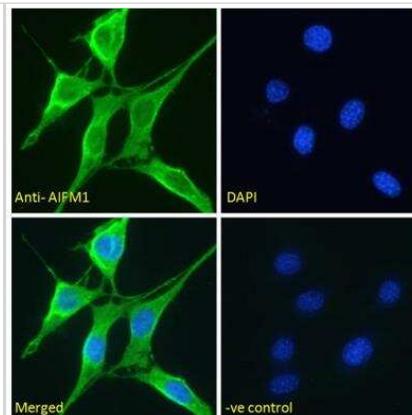
Images

Western Blot: AIF Antibody [NBP2-42509] - Staining of Jurkat lysate with antibody at 0.1 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.

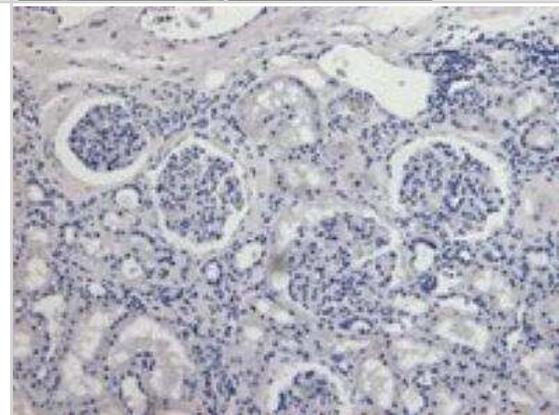
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100kDa
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50kDa
37kDa
25kDa
20kDa
15kDa



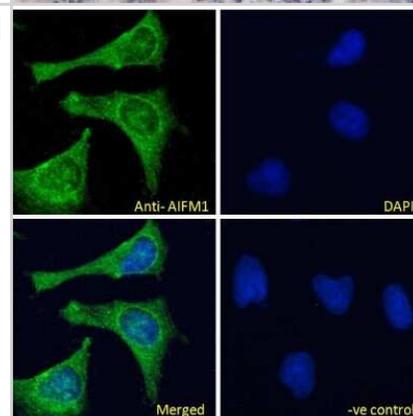
Immunocytochemistry/Immunofluorescence: AIF Antibody [NBP2-42509]
 - Analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Immunohistochemistry-Paraffin: AIF Antibody [NBP2-42509] - Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.



Immunocytochemistry/Immunofluorescence: AIF Antibody [NBP2-42509]
 - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Immunohistochemistry-Paraffin: AIF Antibody [NBP2-42509] - Staining of paraffin embedded Human Kidney with antibody at 5 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Publications

Lewis EM, Wilkinson AS, Jackson JS et al. The enzymatic activity of apoptosis-inducing factor supports energy metabolism benefiting the growth and invasiveness of advanced prostate cancer cells. J Biol Chem 2012-12-01 [PMID: 23118229]



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Products Related to NBP2-42509

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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