

Product Datasheet

AIF Antibody NBP2-42509

Unit Size: 0.1 mg

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

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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

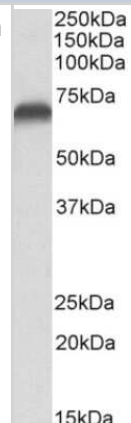
Product Description	
Host	Goat
Gene ID	9131
Gene Symbol	AIFM1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognize isoform 1 (NP_004199.1), isoform 2 (NP_665811.1) and isoform 5 (NP_001124319).
Immunogen	Peptide with sequence C-DDPNVTKTLRFKQ corresponding to internal region according to NP_004199.1, NP_665811.1, NP_001124319.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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

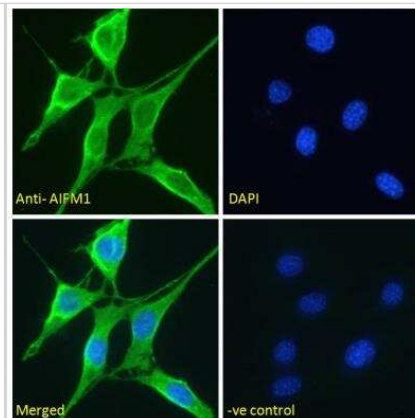
Images

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.

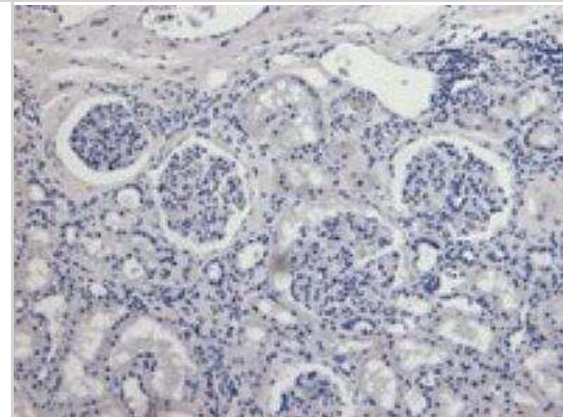
250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa



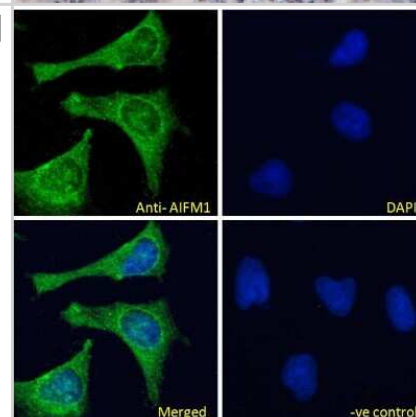
Immunocytochemistry/Immunofluorescence: AIF Antibody [NBP2-42509]
 - Analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (5ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Mitochondrial staining. The nuclear stain is DAPI (blue).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

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
NBP2-51612-0.1mg	Recombinant Human AIF His Protein

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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