

AIF Monoclonal Antibody (7F7AB10)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	7F7AB10
Conjugate	Unconjugated
Immunogen	Human heart mitochondria
Form	Liquid
Concentration	1 mg/mL
Purification	IgG fraction
Storage buffer	HEPES buffered saline
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2533822

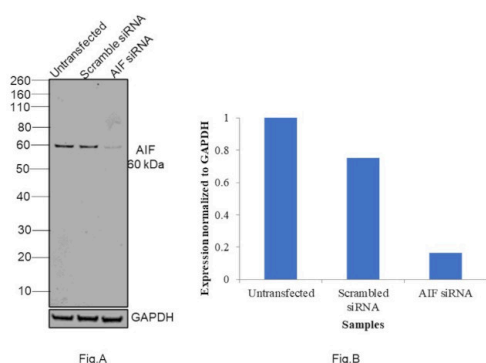
Applications	Tested Dilution	Publications
Western Blot (WB)	2-5 µg/mL	-
Immunohistochemistry (IHC)	10 µg/mL	-
Immunocytochemistry (ICC/IF)	5-10 µg/mL	-
Flow Cytometry (Flow)	1 µg/mL	-

Product Specific Information

When performing IHC use heat mediated antigen retrieval before commencing with IHC staining protocol.

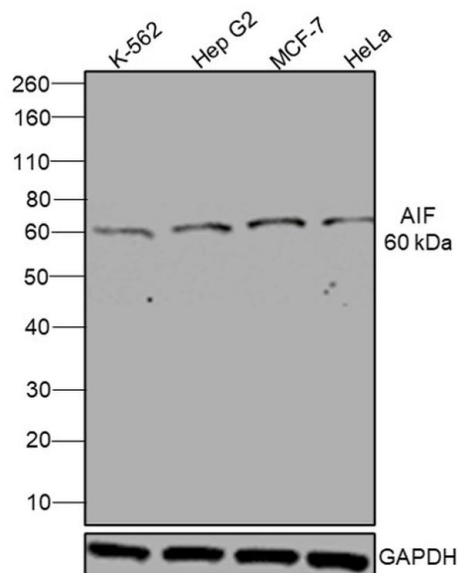
When performing ICC or IF recommended sample treatment are paraformaldehyde fixed at 4% for 20 minutes and Triton X-100 permeabilized at 0.1% for 15 minutes.

Product Images For AIF Monoclonal Antibody (7F7AB10)



AIF Antibody (45-6200)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with AIF siRNA and decrease in signal intensity was observed in Western Blot application using Anti-AIF Monoclonal Antibody (7F7AB10) (Product # 45-6200). {KD}

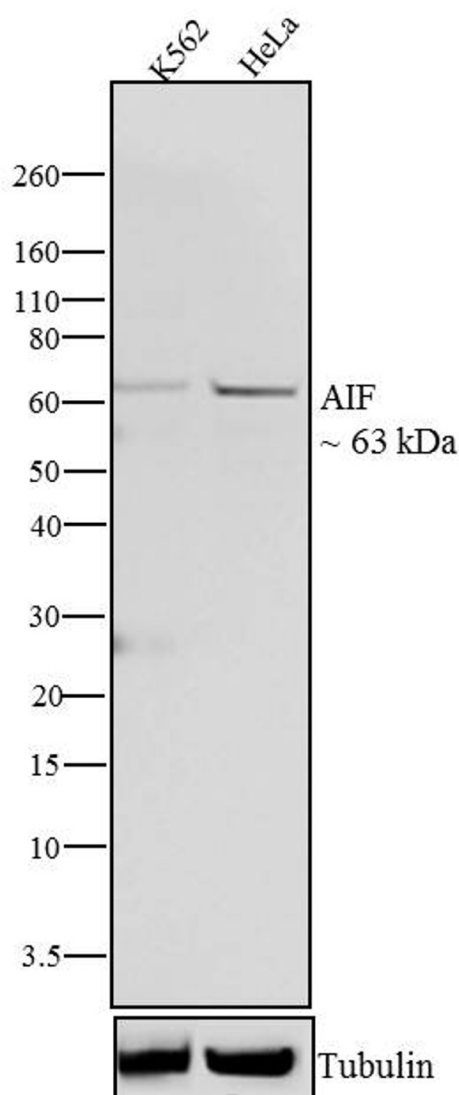


AIF Antibody (45-6200) in WB

Western blot was performed using Anti-AIF Monoclonal Antibody (7F7AB10) (Product # 45-6200) and a 60kDa band corresponding to AIF was observed across cell lines tested. Whole cell extracts (30 µg lysate) of K-562 (Lane 1), Hep G2 (Lane 2), MCF7 (Lane 3), HeLa (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500 Dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

AIF Antibody (45-6200) in WB

Western blot analysis of AIF was performed by loading 20 µg of K562 (lane1) and HeLa (lane2) cell lysates using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (LC5800), and iBlot® Dry Blotting System (IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. AIF was detected at ~63 kDa using AIF Mouse Monoclonal Antibody (Product # 45-6200) at 1 µg - 3 µg/mL in 2.5 % skim milk at 4°C overnight on a rocking platform. Goat Anti-Mouse IgG - HRP Secondary Antibody (Product # 62-6520) at 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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