

# HIF-2 alpha Monoclonal Antibody (ep190b)

## Product Details

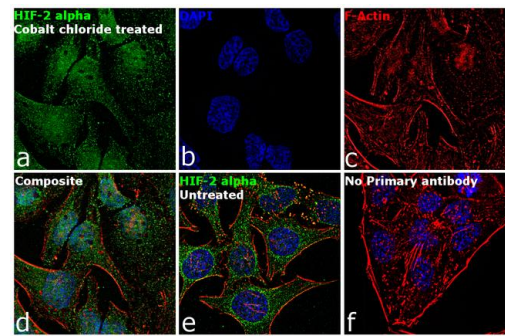
Size	100 µL
Species Reactivity	Bovine, Hamster, Human, Mouse, Rat
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	ep190b
Conjugate	Unconjugated
Immunogen	Synthetic peptid corresponding to residues 535-631 of human HIF-2 alpha.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein G
Storage buffer	PBS with 1% BSA
Contains	0.05% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2098238

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:150-1:300	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	2-5 µg/mL	-
Flow Cytometry (Flow)	1:400	-
ELISA (ELISA)	1:100-1:2,000	-
Immunoprecipitation (IP)	Assay-Dependent	-
ChIP assay (ChIP)	Assay-Dependent	-
Gel Shift (GS)	Assay-Dependent	-

## Product Specific Information

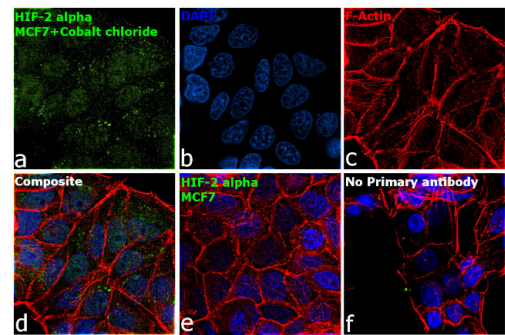
Suggested positive control: antigen standard for EPAS1 (transient overexpression lysate).

Product Images For HIF-2 alpha Monoclonal Antibody (ep190b)



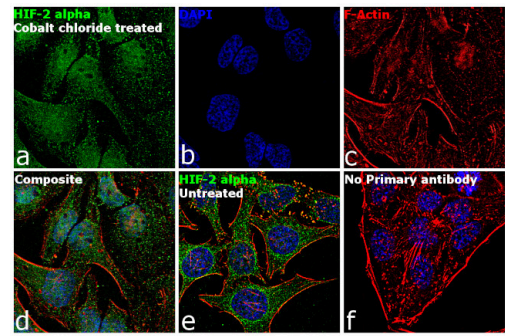
HIF-2 alpha Antibody (MA1-16519)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of HIF-2 alpha using Anti-HIF-2 alpha Mouse Monoclonal Antibody (ep190b) (Product # MA1-16519) shows translocation of proteins from cytoplasm to nucleus in HeLa cell line upon Cobalt chloride treatment. {TM}



HIF-2 alpha Antibody (MA1-16519) in ICC/IF

Immunofluorescence analysis of HIF-2 alpha was performed using 70% confluent log phase MCF7 treated with Cobalt Chloride (150 µM for 48hrs). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with HIF-2 alpha Monoclonal Antibody (ep190b) (Product # MA1-16519) at 2 µg/mL in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2,000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear translocation of HIF-2 alpha upon cobalt chloride treatment in MCF7 cells. Panel e represents untreated MCF7 cells with no signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



HIF-2 alpha Antibody (MA1-16519) in ICC/IF

Immunofluorescence analysis of HIF-2 alpha was performed using 70% confluent log phase HeLa cells treated with 150µM of Cobalt chloride for 48 hours. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with HIF-2 alpha Mouse Monoclonal Antibody (ep190b) (Product # MA1-16519) at 5 microgram/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear localization. Panel e shows untreated cells with cytoplasmic signal. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

View more figures on [thermofisher.com](https://thermofisher.com)

Western Blot (1)

<p><b>Molecular therapy : the journal of the American Society of Gene Therapy</b></p> <p><b>Differential but Complementary HIF1 and HIF2 Transcriptional Regulation.</b></p> <p>"MA1-16519 was used in Western Blotting to study the roles of HIF1a and HIF2a in transcriptional regulation."</p> <p>Authors: Downes NL,Laham-Karam N,Kaikkonen MU,Ylä-Herttuala S</p>	<p><b>Year</b> 2018</p> <p><b>Species</b> Human</p> <p><b>Dilution</b> 1:1000</p>
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