

Anti-HIF-1 alpha Antibody (7S100)

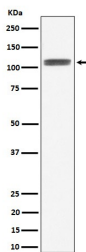
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 93 kDa. Actual: 110 kDa.
Clone:	7S100
Purification:	Protein A purified

Applications

Verified Activity:

Western blot analysis of HeLa treated with CoCl₂ cell lysate. Using HIF-1 Alpha (TMAB-00858) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.



Application:	ICC/IF
Recommended	ICC/IF=1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human HIF 1 alpha
Antigen Species:	Human
Gene ID:	3091
Uniprot ID:	Q16665
Synonyms:	HIF1- α ;hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor); HIF-1 α ;HIF-1 α ;HIF-1alpha;hypoxia inducible factor 1, α subunit (basic helix-loop-helix transcription factor);HIF-1A;bHLHe78;HIF1;MOP1;PASD8;HIF1-ALPHA
Biology Area:	HIF,Hydroxylases,HIF,Jumonji containing proteins,Methylation

Research Background

Functions as a master transcriptional regulator of the adaptive response to hypoxia.Under hypoxic conditions, activates the transcription of over 40 genes, including erythropoietin, glucose transporters, glycolytic enzymes, vascular endothelial growth factor, HILPDA, and other genes whose protein products increase oxygen delivery or

facilitate metabolic adaptation to hypoxia.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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