SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HIF1A Polyclonal Antibody

Catalog Number: SLA0194

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	3091
SWISS:	Q16665
Target:	HIF1A
Immunogen:	Recombinant human HIF-1 Alpha protein
Purification:	affinity purified by Protein A
Concentration:	1mg, ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	ICC/IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	92 kDa
Subcellular Location:	Nucleus
Background:	Hypoxia-inducible factor 1 alpha is not only of particular significance for the body to maintain normal physiological functions under hypoxic conditions,and plays an important role in pathological processes such as tumor growth and neuronal apoptosis. HIF1 alpha can regulate the expression levels of many downstream genes. HIF appears in mammalian cells under hypoxic stress conditions. HIF is a transcription factor, stabilizes cells under hypoxia.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

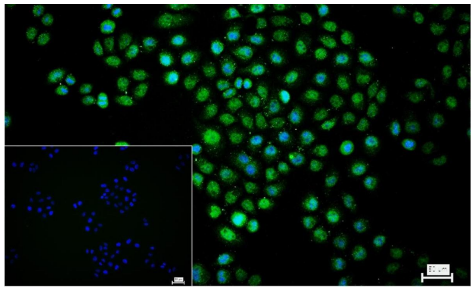


Figure 1. 4% Paraformaldehyde-fixed Hela (treated with 500uM CoCl2 for 6 hours) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HIF-1 Alpha) polyclonal Antibody, unconjugated (SLA0194) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

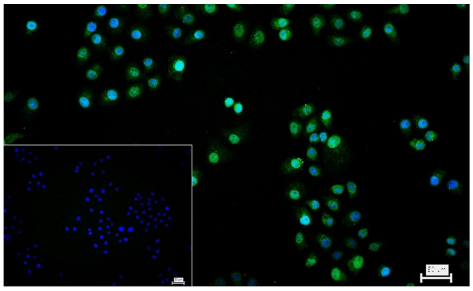


Figure 2. 4% Paraformaldehyde-fixed HepG2 (treated with 500uM CoCl2 for 6 hours) (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HIF-1 Alpha) polyclonal Antibody, unconjugated (SLA0194) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, SL60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control. FOR RESEARCH USE ONLY. Not for use in diagnostic or therapeutic procedures.

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