

HIF-1 $\alpha$  Polyclonal Antibody

Catalog No: #41005

Package Size: #41005-1 50ul #41005-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	HIF-1 $\alpha$ Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC ELISA IF/ICC IP
Species Reactivity	Hu Ms Rt
Specificity	HIF-1 $\alpha$ Polyclonal Antibody detects endogenous levels of HIF-1 $\alpha$ protein.
Immunogen Description	Synthesized peptide derived from the Internal region of human HIF-1 $\alpha$ .
Target Name	HIF-1 $\alpha$
Other Names	HIF1A; BHLHE78; MOP1; PASD8; Hypoxia-inducible factor 1-alpha; HIF-1-alpha; HIF1-alpha; ARNT-interacting protein; Basic-helix-loop-helix-PAS protein MOP1; Class E basic helix-loop-helix protein 78; bHLHe78; Member of PAS protein 1; PAS doma
Accession No.	Swiss-Prot: Q16665NCBI Gene ID: 3091
SDS-PAGE MW	90kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

## Application Details

Western Blot: 1/500 - 1/2000.

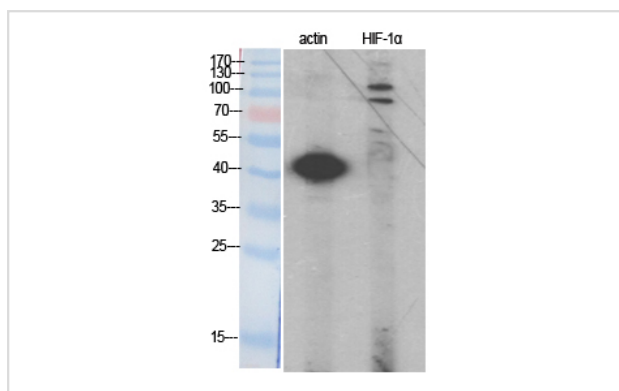
Immunohistochemistry: 1/100 - 1/300.

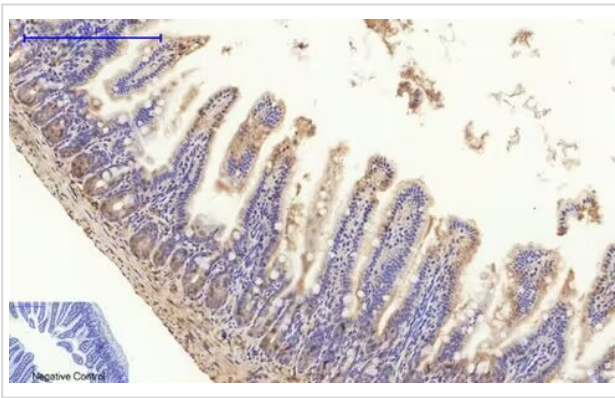
ELISA: 1/40000.

IP 1:200

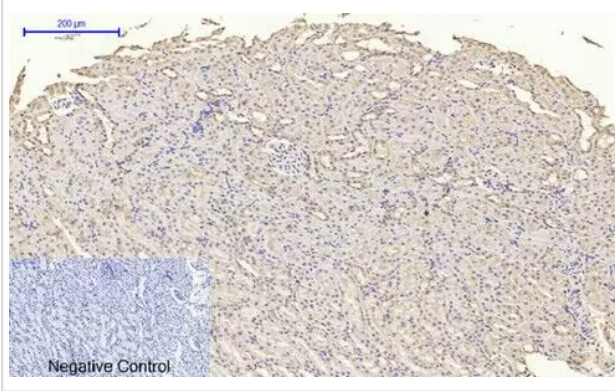
Not yet tested in other applications.

## Images

Western Blot analysis of HELA cells using HIF-1 $\alpha$  Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue.

## Published Papers

et al., Ferroptosis related genes participate in the pathogenesis of spinal cord injury via HIF-1 signaling pathway. *Brain Res Bull* 2023 Jan; 318: 1-10. doi: 10.1016/j.brainresbull.2023.100001. PMID: 36414158, (2023)

[PMID:36414158](#)

et al., Iridium nanozyme-mediated photoacoustic imaging-guided NIR-II photothermal therapy and tumor microenvironment regulation for targeted eradication of cancer stem cells. *Acta Biomater* 2023 Dec; 318: 127001. doi: 10.1016/j.actbio.2023.127001. PMID: 37852456, (2023)

[PMID:37852456](#)

et al., H<sub>2</sub>O<sub>2</sub> treatment or serum deprivation induces autophagy and apoptosis in naked mole-rat skin fibroblasts by inhibiting the PI3K/Akt signaling pathway. *Oncotarget* 2016 Dec 20; 7(42): 66800-66810. doi: 10.18632/oncotarget.11800. PMID: 27863375, (2016)

[PMID:27863375](#)

et al., Heparanase released from mesenchymal stem cells activates integrin beta1/HIF1 $\alpha$ /Fli $\kappa$  signaling and promotes endothelial cell migration and angiogenesis. *Stem Cells* 2015 Jun; 33(6): 1800-1810. doi: 10.1002/stem.2380. PMID: 25754303, (2015)

on 2015 Jun by Xinyang Hu, Ling Zhang et al. PMID: 25754303, (2015)

[PMID:25754303](#)

et al., Regulatory circuit of PKM2/NF- $\kappa$ B/miR-148a/152 modulated tumor angiogenesis and cancer progression. *Oncogene* 2015 Oct 1; 34(40): 5200-5210. doi: 10.1038/onc.2015.180. PMID: 25703326, (2015)

[PMID:25703326](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.