Anti-HIF-1 alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P013677

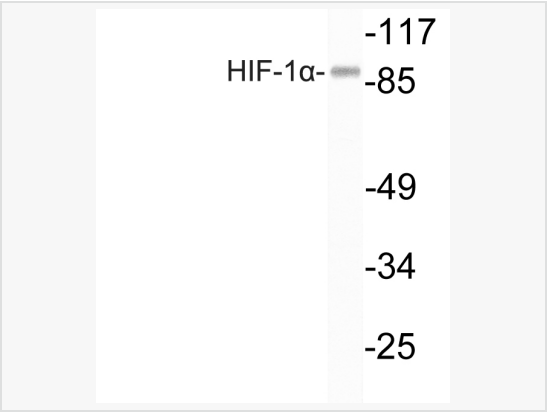
Product Information

Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ELISA, ICC/IF (Cell)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human HIF-1alpha.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HIF-1 alpha antibody is for research use only and not for use in diagnostic or therapeutic procedures.

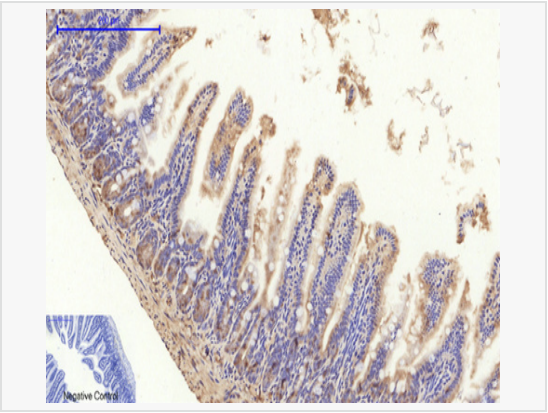
Protein Information

Synonyms	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.
Calculated MW	Calculated MW: 93 kDa; Observed MW: 92-130 kDa
Uniprot ID	Q16665
Gene ID	3091
Background	Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1.

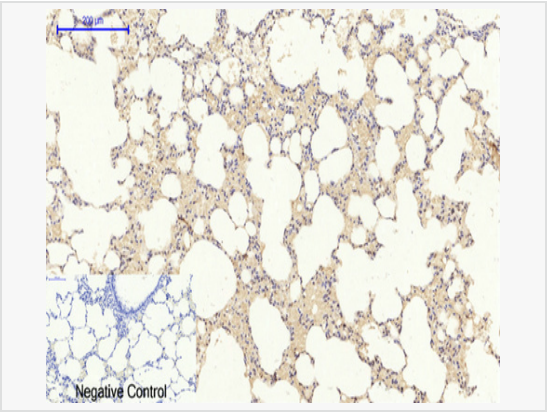
Validation Images



Western blot analysis of HIF1 alpha in LOVO lysates using HIF1 alpha antibody.



Immunohistochemistry analysis of paraffin-embedded mouse colon tissue using HIF1 alpha antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded rat lung tissue using HIF1 alpha antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.