

## HIF1A RABBIT PAB

**Cat.#:** S211820

**Product Name:** Anti-HIF1A Rabbit Polyclonal Antibody

**Synonyms:** HIF1; MOPI; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA

**UNIPROT ID:** Q16665 (Gene Accession - BC012527 )

**Background:** This gene encodes the alpha subunit of transcription factor hypoxia-inducible factor-1 (HIF-1), which is a heterodimer composed of an alpha and a beta subunit. HIF-1 functions as a master regulator of cellular and systemic homeostatic response to hypoxia by activating transcription of many genes, including those involved in energy metabolism, angiogenesis, apoptosis, and other genes whose protein products increase oxygen delivery or facilitate metabolic adaptation to hypoxia. HIF-1 thus plays an essential role in embryonic vascularization, tumor angiogenesis and pathophysiology of ischemic disease. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

**Immunogen:** Fusion protein of human HIF1A

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 30-150; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

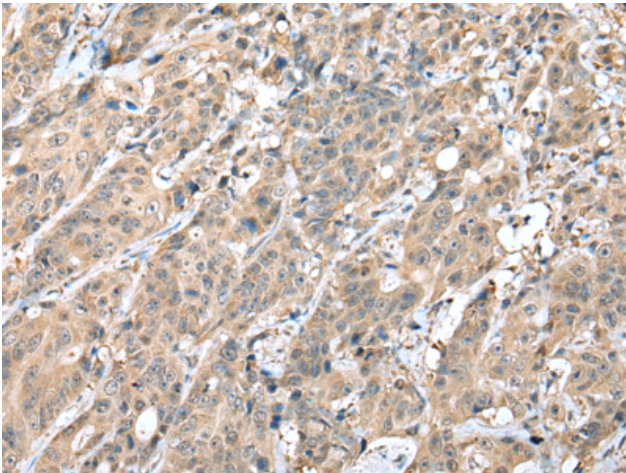
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

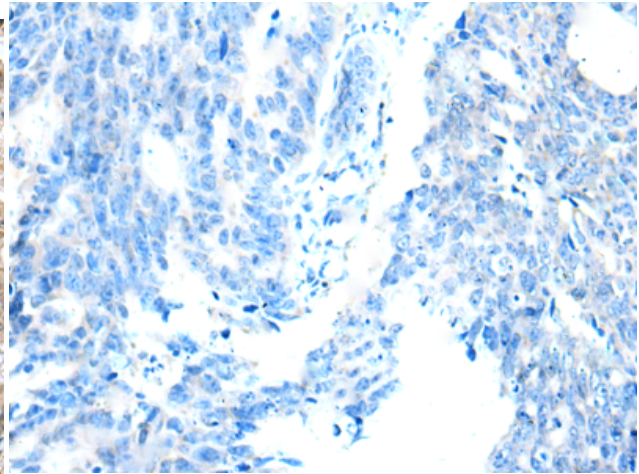
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cardiovascular, Epigenetics and Nuclear Signaling, Cancer, Metabolism

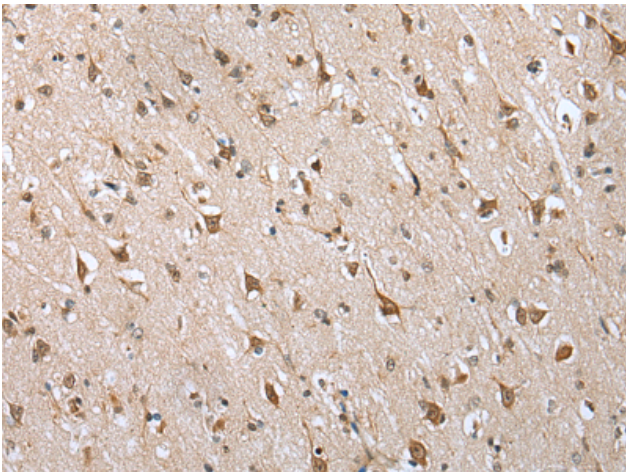
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



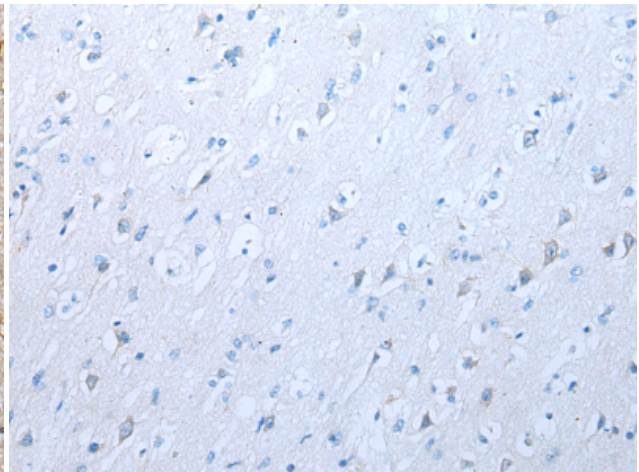
Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 211820(HIF1A Antibody) at a dilution of 1/45(Cytoplasm or Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 211820(Anti-HIF1A Antibody) at dilution 1/45.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 211820(Anti-HIF1A Antibody) at a dilution of 1/45.



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with fusion protein and then with D123657(Anti-HIF1A Antibody) at dilution 1/45.