HIF1A Antibody

Catalog No: #42895

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

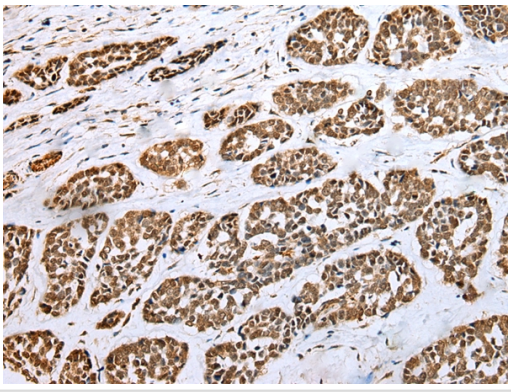
Description

Product Name	HIF1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total HIF1A protein.
Immunogen Description	Fusion protein of human HIF1A
Target Name	HIF1A
Other Names	HIF1; MOP1; PASD8; HIF-1A; bHLHe78; HIF-1alpha; HIF1-ALPHA
Accession No.	Swiss-Prot#: Q16665Gene ID: 3091
Uniprot	Q16665
GeneID	3091;
Concentration	1.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

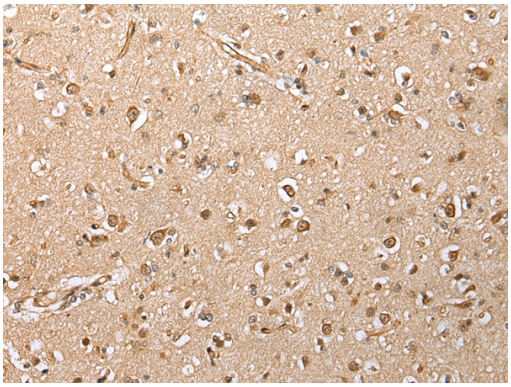
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #42895 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #42895 at dilution 1/20.

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.

Note: This product is for in vitro research use only