

HIF1 beta Rabbit mAb

Catalog No: #52771

Package Size: #52771-1 50ul #52771-2 100ul

Orders: order@signalwayantibody.com

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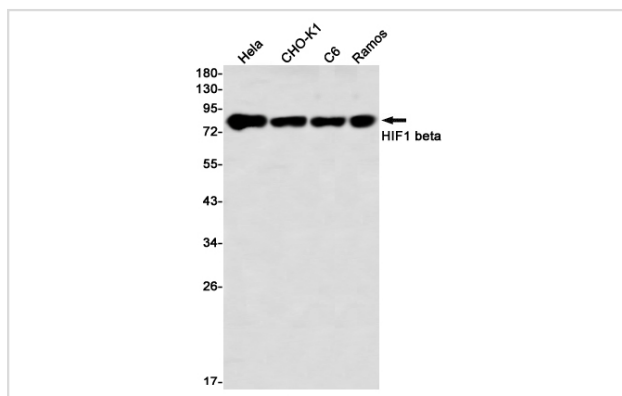
Description

Product Name	HIF1 beta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S05-3B2
Isotype	IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human HIF1 beta
Conjugates	Unconjugated
Modification	Unmodification
Other Names	HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta
Accession No.	Swiss-Prot:P27540GenelD:405
Uniprot	P27540
GenelD	405
Calculated MW	Calculated MW:87 kDa,Observed MW:87 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

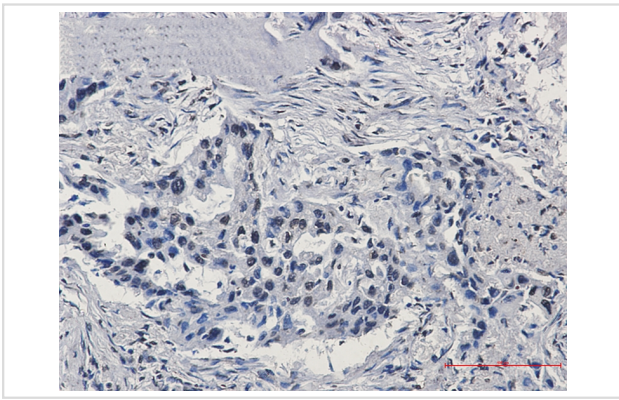
Application Details

WB: 1/1000 IHC: 1/50

Images



Western blot detection of HIF1 beta in HeLa, CHO-K1, C6, Ramos using HIF1 beta Rabbit mAb(1:1000 diluted)



Immunohistochemistry of HIF1 beta in paraffin-embedded Human lung cancer tissue using HIF1 beta Rabbit mAb at dilution 1/50

Background

Required for activity of the Ah (dioxin) receptor. This protein is required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding. The complex then initiates transcription of genes involved in the activation of PAH procarcinogens. The heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters and functions as a transcriptional regulator of the adaptive response to hypoxia (By similarity).

The heterodimer ARNT:AHR binds to core DNA sequence 5'-TGC GTG-3' within the dioxin response element (DRE) of target gene promoters and activates their transcription (PubMed:28396409).

Note: This product is for in vitro research use only