

## HIF1 beta monoclonal antibody

Catalog: MB12059

Host: Rabbit

Reactivity: Human, Mouse, Rat, Hamster

### BackGround:

HIF-1 $\beta$  is also known as AhR nuclear translocator (ARNT) due to its ability to partner with the aryl hydrocarbon receptor (AhR) to form a heterodimeric transcription factor complex. Together with AhR, HIF-1 $\beta$  plays an important role in xenobiotics metabolism. In addition, a chromosomal translocation leading to a TEL-ARNT fusion protein is associated with acute myeloblastic leukemia. Studies also found that ARNT/HIF-1 $\beta$  expression levels decrease significantly in pancreatic islets from patients with type 2 diabetes, suggesting that HIF-1 $\beta$  plays an important role in pancreatic  $\beta$ -cell function.

### Product:

50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 87 kDa; Observed MW: 87 kDa

### Swiss-Prot:

P27540

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100

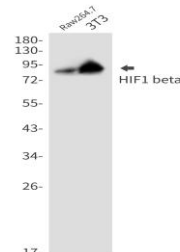
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

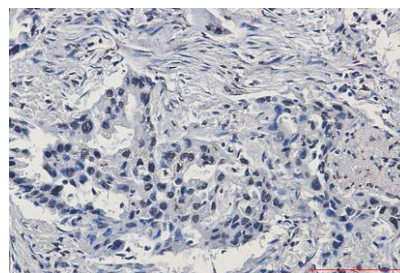
### Isotype:

IgG

### DATA:



Western blot analysis of HIF1 beta in Raw264.7, 3T3 lysates using HIF1 beta antibody.



Western blot analysis of HIF1 beta in HeLa, CHO-K1, C6, Ramos lysates using HIF1 beta antibody.

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

### Note:

For research use only, not for use in diagnostic procedure.

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