

Product Datasheet

HIF-1 beta Antibody

Catalog No: CY5538

Reactivity: Human

Isotype: Rabbit IgG

Applications: WB IHC



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Information

UniProt ID: P27540

All Names: ARNT;HIF-1beta;HIF1B;HIF1BETA;TANGO;bHLHe2;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 87 kDa

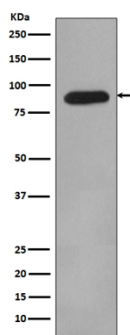
Application

WB: 1:500~1:2000

IHC: 1:500~1:2000

Background

HIF-1 β 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 β 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 β expression levels decrease significantly in pancreatic islets from patients with type 2 diabetes, suggesting that HIF-1 β plays an important role in pancreatic β -cell function.



Western blot analysis of HIF-1 beta expression in Human fetal kidney lysate.

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