10320 Camino Santa Fe, Suite G
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HIF1 beta Rabbit mAb
Catalog # AP76527

Specification

HIF1 beta Rabbit mAb - Product Information

Application	**WB, IHC**
Primary Accession	P27540
Reactivity	**Human, Mouse, Rat, Hamster**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**86636**

HIF1 beta Rabbit mAb - Additional Information

Gene ID 405

Other Names
ARNT

Dilution
WB~~1/500-1/1000
IHC~~1/50-1/100

Format
Liquid

HIF1 beta Rabbit mAb - Protein Information

Name ARNT (HGNC:700)

Synonyms BHLHE2

Function
Required for activity of the AHR. Upon ligand binding, AHR translocates into the nucleus, where it heterodimerizes with ARNT and induces transcription by binding to xenobiotic response elements (XRE). Not required for the ligand-binding subunit to translocate from the cytosol to the nucleus after ligand binding (PubMed:34521881). The complex initiates transcription of genes involved in the regulation of a variety of biological processes, including angiogenesis, hematopoiesis, drug and lipid metabolism, cell motility and immune modulation (Probable). 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'-TGCGTG-3' within the dioxin response element (DRE) of target gene promoters and activates their transcription (PubMed:28396409).

Cellular Location
Nucleus.

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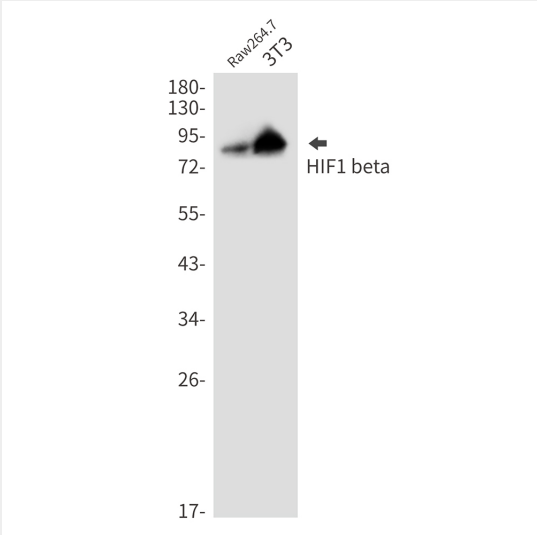
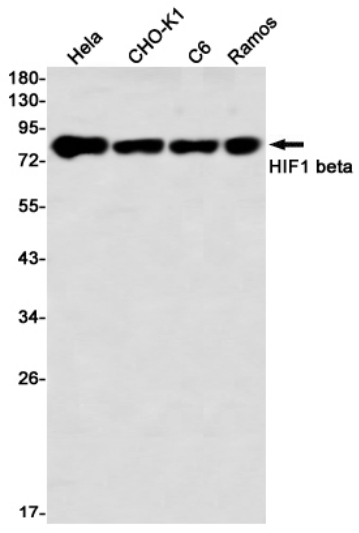
HIF1 beta Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIF1 beta Rabbit mAb - Images





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