

## Rabbit anti-Human HIF-1 beta Monoclonal Antibody | anti-HIF1B antibody

HIF-1 beta Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA312236 | Rabbit | Human      | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

HIF-1 beta; Monoclonal Antibody; HIF-1 beta Antibody; arnT antibody; ARNT protein antibody; ARNT\_HUMAN antibody; Aryl hydrocarbon receptor nuclear translocator antibody; bHLHe2 antibody; Class E basic helix-loop-helix protein 2 antibody; Dioxin receptor antibody; Dioxin receptor nuclear translocator antibody; Drnt antibody; HIF 1 beta antibody; HIF 1beta antibody; HIF-1-beta antibody; HIF1-beta antibody; HIF1B antibody; HIF1beta antibody; Hypoxia Inducible Factor 1 antibody; Hypoxia inducible factor 1 beta antibody; Hypoxia-inducible factor 1-beta antibody; nuclear translocator antibody; Tango antibody; anti-HIF1B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                 |
| Reactivity                                      | Human                                                                  |
| Clonality                                       | Monoclonal                                                             |
| Clone Number                                    | ST05-25                                                                |
| Purity/Purification                             | ProA affinity purified                                                 |
| Form/Format                                     | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide. |
| Applicable Applications for anti-HIF1B antibody | IHC (Immunohistochemistry), WB (Western Blot)                          |
| Antibody Type                                   | Recombinant Antibody                                                   |
| Immunogen                                       | Recombinant protein                                                    |
| Conjugation                                     | Unconjugated                                                           |
| Preparation and Storage                         | Store at -20 degree C.                                                 |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-HIF-1 beta antibody. Counter stained with hematoxylin.



#### WB (Western Blot)

Western blot analysis of HIF-1 beta on human liver lysates using anti-HIF-1 beta antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-HIF1B antibody | AhR, Arnt 1, Arnt 2 and BMAL1 are members of a family of transcription factors that contain a basic helix-loop-helix motif and a common PAS motif. The aromatic (aryl) hydrocarbon receptor, AhR, is a ligand dependent transcription factor that interacts with specific DNA sequences termed xenobiotic responsive elements (XREs) to activate several genes including CYP1A1, glutathione S-transferase Ya subunit and DT-diaphorase. The Ah receptor nuclear translocator proteins (Arnt 1 or Arnt 2) are required for ligand-dependent nuclear translocation of the Ah receptor and are also necessary for Ah receptor binding to the XRE element. Arnt 2 (aryl hydrocarbon receptor nuclear translocator 2), also known as Hif-2b or bHLHe1, is a 712 amino acid nuclear protein that is exclusively expressed in adult brain and kidney. Containing a basic helix-loop-helix (bHLH) domain, a PAC (PAS-associated C-terminal) domain and two PAS (PER-ARNT-SIM) domains, Arnt 2 specifically recognizes the xenobiotic response element (XRE). |
| Product Categories/Family for anti-HIF1B antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 309747071                                                                                                                                                                 |
| NCBI GeneID                      | 405                                                                                                                                                                       |
| NCBI Accession #                 | NP_001184254.1                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001197325.1                                                                                                                                                            |
| UniProt Accession #              | P27540; Q5QP39; Q8NDC7; C4AMA1                                                                                                                                            |
| Molecular Weight                 | 86,636 Da                                                                                                                                                                 |
| NCBI Official Full Name          | aryl hydrocarbon receptor nuclear translocator isoform 4                                                                                                                  |
| NCBI Official Synonym Full Names | aryl hydrocarbon receptor nuclear translocator                                                                                                                            |
| NCBI Official Symbol             | ARNT                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | HIF1B; TANGO; bHLHe2; HIF1BETA; HIF-1beta; HIF1-beta; HIF-1-beta                                                                                                          |
| NCBI Protein Information         | aryl hydrocarbon receptor nuclear translocator; dioxin receptor, nuclear translocator; class E basic helix-loop-helix protein 2; hypoxia-inducible factor 1, beta subunit |
| UniProt Protein Name             | Aryl hydrocarbon receptor nuclear translocator                                                                                                                            |
| UniProt Gene Name                | ARNT                                                                                                                                                                      |
| UniProt Synonym Gene Names       | BHLHE2; ARNT protein; bHLHe2; HIF-1-beta; HIF1-beta                                                                                                                       |
| UniProt Entry Name               | ARNT_HUMAN                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.