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anti-ARNT antibody (AA 496-789)





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Overview

| Quantity: | 0.1 mL |
|----------------------|--|
| Target: | ARNT |
| Binding Specificity: | AA 496-789 |
| Reactivity: | Human, Mouse, Rat, Cow, Sheep, Pig, Monkey, Ferret |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Chromatin Immunoprecipitation (ChIP), Gel Shift (GS) |

Product Details

| Immunogen: | Fusion protein containing amino acids 496-789 of human HIF-1 beta |
|-----------------------------|--|
| Clone: | H1beta234 |
| Isotype: | IgG1 kappa |
| Specificity: | Reacts with human HIF 1 beta /ARNT |
| Cross-Reactivity: | Mouse (Murine), Cow (Bovine), Sheep (Ovine), Rat (Rattus) |
| Cross-Reactivity (Details): | Cross reacts with proteins from bovine, sheep, mouse, rat and ferret. Not tested in other species. |
| Purification: | Purified (protein G) |

Target Details

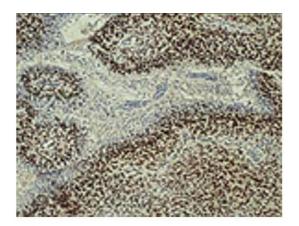
| Target: | ARNT |
|-------------------|--|
| Alternative Name: | Hypoxia-Inducible Factor 1-beta (ARNT Products) |
| Background: | HIF-1 is a heterodimer composed of HIF-1 alpha and HIF-1 beta subunits which are bHLH proteins of PAS (PER, ARNT, SIM) family. HIF-1 beta forms heterodimer with AHR, AHRR, HIF1 alpha and EPAS1/HIF2 alpha as well as with other bHLH proteins and its dimerization is required for efficient DNA binding. Interact with TACC3 and NOCA7. |
| Gene ID: | 405 |
| UniProt: | P27540 |
| Pathways: | Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Regulation of Carbohydrate Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, Warburg Effect |

Application Details

| Application Notes: | Working dilution: Optimal dilution should be determined by the end user. |
|--------------------|--|
| | The following are guidelines only: |
| | ChIP1:10-1:500, IHC1:100, IHC-P 1:100, WB 1:500 |
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1.4 mg/mL |
| Buffer: | PBS, Sodium azide 0.05 % |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C/-80 °C |
| Storage Comment: | Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles. |



Immunohistochemical staining of human glioblastoma multi-forme utilizing anti-HIF-1 Beta (mab50050)



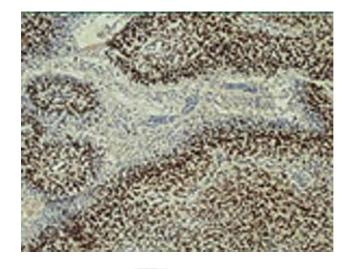


Image 2.

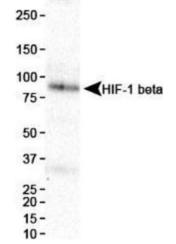


Image 3.