

HIF-1 β /ARNT Monoclonal Antibody

Cat #: ABM40245

Size: 30 μ l /100 μ l /200 μ l

Product Information

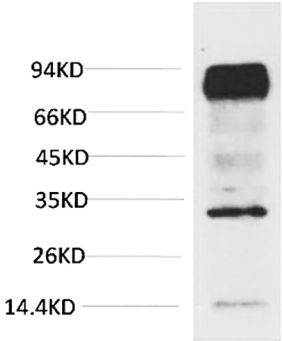
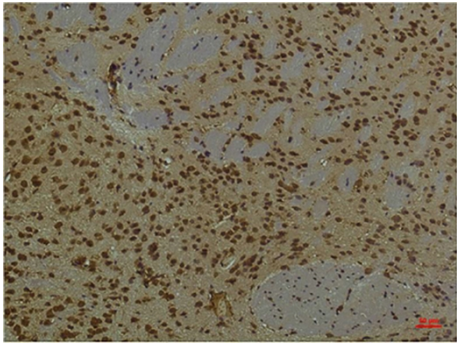
	Product Name: HIF-1 β /ARNT Monoclonal Antibody		
	Applications: WB, IHC-P		Isotype: Mouse IgG1
	Reactivity: Mouse		
REF	Catalog Number: ABM40245	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: ARNT (aryl hydrocarbon receptor nuclear translocator) encodes a protein containing a basic helix-loop-helix domain and two characteristic PAS domains along with a PAC domain. The encoded protein binds to ligand-bound aryl hydrocarbon receptor and aids in the movement of this complex to the nucleus, where it promotes the expression of genes involved in xenobiotic metabolism. This protein is also a co-factor for transcriptional regulation by hypoxia-inducible factor 1. Chromosomal translocation of ARNT with the ETV6 (ets variant 6) gene on chromosome 12 have been described in leukemias. Alternative splicing results in multiple transcript variants.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC-P (1:100-1:200).

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	Fig.1. Western blot analysis of Mouse Brain Tissue with HIF-1 β/ARNT Mouse mAb diluted at 1:2000.
	Fig.2. Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using HIF-1 β/ARNT Mouse mAb diluted at 1:200.

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