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anti-Aryl Hydrocarbon Receptor antibody (C-Term)





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Quantity:	100 μg
Target:	Aryl Hydrocarbon Receptor (AHR)
Binding Specificity:	AA 832-848, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aryl Hydrocarbon Receptor antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Aryl hydrocarbon receptor(AHR) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human AHR (832-848aa HPSEARPFPDLTSSGFL).
Sequence:	HPSEARPFPD LTSSGFL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Aryl hydrocarbon receptor(AHR) detection. Tested with WB in
	Human.
	Gene Name: aryl hydrocarbon receptor
	Protein Name: Aryl hydrocarbon receptor

Product Details Purification: Immunogen affinity purified. **Target Details** Target: Aryl Hydrocarbon Receptor (AHR) Alternative Name AHR (AHR Products) Background: AHR(aryl hydrocarbon receptor), also called bHLHe76, is a member of the family of basic helixloop-helix transcription factors. AhR is a cytosolic transcription factor that is normally inactive, bound to several co-chaperones. The AHR gene is mapped on 7p21.1. Estrogenic actions of AHR agonists were detected in wildtype ovariectomized mouse uteri, but were absent in Ahr -/or Er-alpha -/- ovariectomized mice. Complex assembly and ubiquitin ligase activity of CUL4B(AHR) in vitro and in vivo are dependent on the AHR ligand. In the CUL4B(AHR) complex, ligand-activated AHR acts as a substrate-specific adaptor component that targets sex steroid receptors for degradation. Cd4-positive cells from mice lacking Ahr developed Th17 responses but failed to produce II22 and did not show enhanced Th17 development. Activation of Ahr during induction of EAE accelerated disease onset and increased pathology in wildtype mice, but not in Ahr -/- mice. The TDO-AHR pathway is active in human brain tumors and is associated with malignant progression and poor survival. Ahr activity within ROR-gamma-tpositive ILC could be induced by dietary ligands such as those contained in vegetables of the family Brassicaceae. Synonyms: Ah receptor antibody|AHR antibody|AHR_HUMAN antibody|Aromatic hydrocarbon receptor antibody|Aryl hydrocarbon receptor antibody|Aryl hydrocarbon receptor precursor antibody|bHLHe76 antibody|Class E basic helix loop helix protein 76 antibody|Class E basic helix-loop-helix protein 76 antibody|HGNC:348 antibody UniProt: P35869 Regulation of Cell Size Pathways:

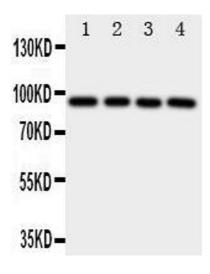
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
	fit for the product based on sequence similarities.
	Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Application Details

Handling

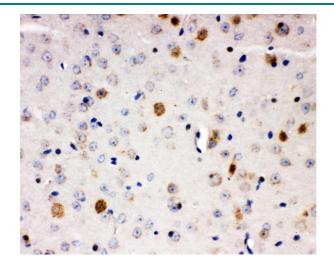
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



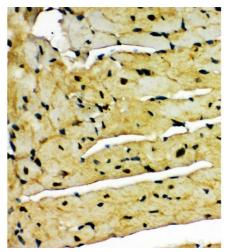
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-Aryl hydrocarbon Receptor antibody, IHC(P) IHC(P): Mouse Brain Tissue



Immunohistochemistry

Image 3. Anti-Aryl hydrocarbon Receptor antibody, IHC(P) IHC(P): Mouse Cardiac Muscle Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3043054.