

Datasheet for ABIN5611120

anti-Aryl Hydrocarbon Receptor antibody (AA 721-820)**3** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Aryl Hydrocarbon Receptor (AHR)
Binding Specificity:	AA 721-820
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human AHR (AA: 721-820) expressed in E. coli.
Clone:	5E6A9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Aryl Hydrocarbon Receptor (AHR)
Alternative Name:	AHR (AHR Products)
Background:	Description: The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome

Target Details

P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm, upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes.

Aliases: bHLHe76

Molecular Weight: 96.1 kDa

Gene ID: 196

HGNC: 196

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A

Restrictions: For Research Use only

Handling

Format: Liquid

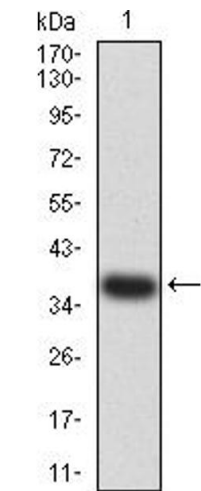
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

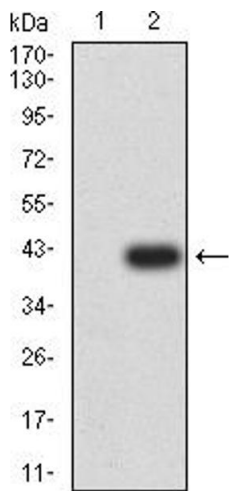
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



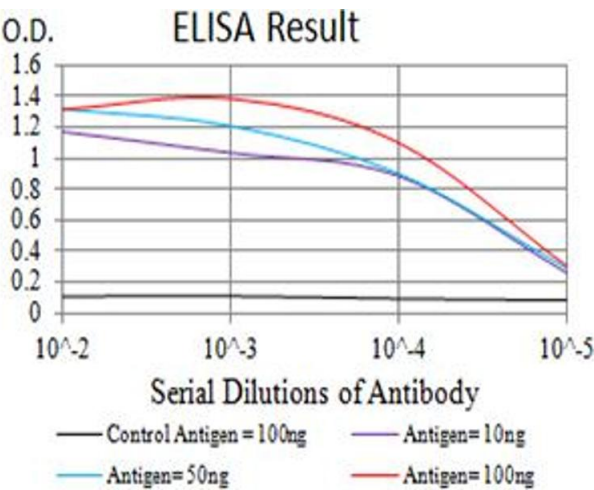
Western Blotting

Image 1. Western blot analysis using AHR mAb against human AHR (AA: 721-820) recombinant protein. (Expected MW is 37 kDa)



Western Blotting

Image 2. Western blot analysis using AHR mAb against HEK293 (1) and AHR (AA: 721-820)-hlgGfC transfected HEK293 (2) cell lysate.



ELISA

Image 3. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)