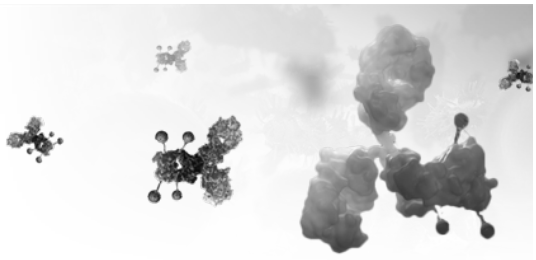

Rabbit Anti-Human AHR monoclonal antibody, clone KN45-21 (CABT-L905)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Aryl hydrocarbon Receptor
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN45-21
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF
Molecular Weight	96 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	NIH/3T3, MCF-7, Hela, human lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is the prototype for a family of toxic halogenated aromatic compounds that are thought to cause adverse reproductive, immunologic and metabolic effects. Many biological responses to TCDD are mediated through ligand binding to the aromatic hydrocarbon (Ah) receptor, also known as AhR. Ah Receptor is a ligand dependent transcription factor that interacts with specific DNA sequences, termed xenobiotic responsive elements (XREs), and that lies upstream of TCDD-inducible genes. Upon binding to the ligand, Ah Receptor binds to the Ah Receptor nuclear translocator (Arnt), and the complex is translocated from the cytoplasm to the nucleus. Arnt is required for Ah R eceptor to bind to XRE. Ah Receptor and Arnt are members of a family of transcription factors that contain a basic helix-loop-helix motif and a common "PAS" motif.
Keywords	Ah receptor;AhR;AHR_HUMAN;Aromatic hydrocarbon receptor;Aryl hydrocarbon receptor;Aryl hydrocarbon receptor precursor;bHLHe76;Class E basic helix loop helix protein 76;Class E basic helix-loop-helix protein 76;HGNC:348 antibody

GENE INFORMATION

Entrez Gene ID	196
UniProt ID	A0A024R9Z8

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