

Product datasheet

Anti-Aryl hydrocarbon Receptor antibody ab28698

★★★★☆ 2 Abreviews 1 Image

Overview

Product name	Anti-Aryl hydrocarbon Receptor antibody
Description	Rabbit polyclonal to Aryl hydrocarbon Receptor
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Dog
Immunogen	A region within a synthetic peptide: MNSSSANITY ASRKRRKPVQ KTVKPIPAEG IKSNPSCRHR DRLNTELDRL, corresponding to N terminal amino acids 1-50 of Human Aryl hydrocarbon Receptor Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human placenta.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28698** in the following tested applications.

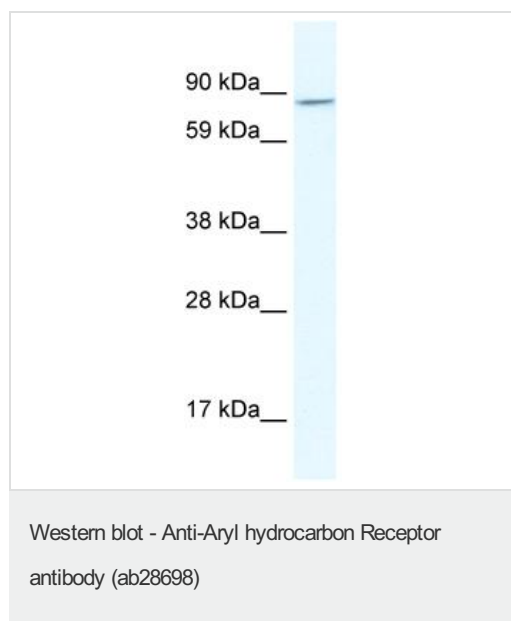
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 2.5 µg/ml. Detects a band of approximately 85 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Ligand-activated transcriptional activator. Binds to the XRE promoter region of genes it activates. Activates the expression of multiple phase I and II xenobiotic chemical metabolizing enzyme genes (such as the CYP1A1 gene). Mediates biochemical and toxic effects of halogenated aromatic hydrocarbons. Involved in cell-cycle regulation. Likely to play an important role in the development and maturation of many tissues.
Tissue specificity	Expressed in all tissues tested including blood, brain, heart, kidney, liver, lung, pancreas and skeletal muscle.
Sequence similarities	Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains.
Cellular localization	Cytoplasm. Nucleus. Initially cytoplasmic; upon binding with ligand and interaction with a HSP90, it translocates to the nucleus.

Images



Anti-Aryl hydrocarbon Receptor antibody (ab28698) at 2.5 µg/ml +
Human placental lysate

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Observed band size: 85 kDa

[why is the actual band size different from the predicted?](#)

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