Datasheet: AHP1107

Description: RABBIT ANTI HUMAN AHR
Specificity: AHR
Other names: ARYL HYDROCARBON RECEPTOR
Format: Purified
Product Type: Polyclonal Antibody
Isotype: Polyclonal IgG
Quantity: 50 µg

RRID: AB_770062

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (1)</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>Functional Assays</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species: Human

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography

Antiserum Preparation: Antisera to human AHR were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.1% Sodium Azide (NaN₃)

Approx. Protein: IgG concentration 1.0mg/ml
## Concentrations

| Immunogen       | Synthetic human AHR. |

## External Database Links

<table>
<thead>
<tr>
<th>UniProt:</th>
<th>P35869 Related reagents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entrez Gene:</td>
<td>196 AHR Related reagents</td>
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</tbody>
</table>

## Synonyms

| BHLHE76 |

## Specificity

**Rabbit anti Human AHR antibody** recognises human aryl hydrocarbon receptor (AHR), a ~96 kDa ubiquitously expressed ligand-activated transcription factor. AHR binds planar aromatic hydrocarbons and plays a role in regulating biological responses to them. It activates expression of xenobiotic chemical metabolising enzyme genes such as cytochrome P450. AHR is also involved in cell-cycle regulation and is thought to be involved in tissue maturation.

## Histology Positive Control Tissue

Respitory epithelium and bronchial smooth muscle.

## References


## Further Reading


## Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## Guarantee

18 months from date of despatch.

## Health And Safety Information


## Regulatory

For research purposes only

## Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) **FITC**
- Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
Goat Anti Rabbit IgG (Fc) (STAR121...)  
Sheep Anti Rabbit IgG (STAR35...)  
Sheep Anti Rabbit IgG (2AB02...)  
Sheep Anti Rabbit IgG (STAR36...)  

**Recommended Useful Reagents**

**ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)**  
**ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)**

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