

**Ah Receptor (AHR). Rabbit Antigen Immunoaffinity Purified Polyclonal**  
AHR; Aryl Hydrocarbon Receptor

**BACKGROUND**

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.

**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2250P

**SIZE**  
50  $\mu$ g

**FORM**  
Affinity Purified

**HOST/CLONE**  
Rabbit

**FORMULATION**  
Phosphate buffered saline containing  
0.1% sodium azide

**CONCENTRATION**  
See vial for concentration

**ISOTYPE**  
IgG

**APPLICATIONS**  
Immunohistochemistry

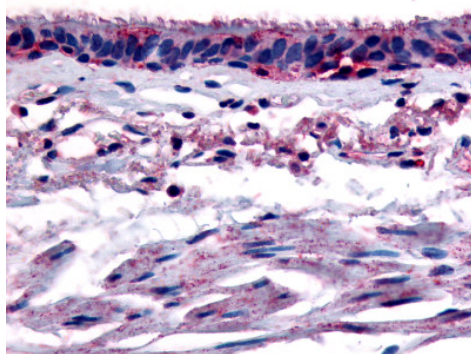
**SPECIES REACTIVITY**  
Human

**ACCESSION NUMBER**  
Human P35869

**IMMUNOGEN**

N-terminal region of human

AHR staining of formalin fixed paraffin embedded respiratory epithelium and bronchial smooth muscle tissue at a dilution of 6  $\mu$ g/ml. Antigen retrieval using a citrate buffer and steam/heat was utilized.



## **POSITIVE CONTROL/TISSUE EXPRESSION**

### **COMMENTS**

Antibody can be used for immunohistochemistry on formalin-fixed, paraffin-embedded tissues (6  $\mu\text{g/ml}$ ). Optimal concentration should be evaluated by serial dilutions.

### **PURIFICATION**

Immunoaffinity Purification

### **SHIP CONDITIONS**

Ship on gel ice, store at  $-70^{\circ}\text{C}$  immediately upon arrival

### **STORAGE CUSTOMER**

Product should be stored at  $-70^{\circ}\text{C}$ . Aliquot to avoid freeze/thaw cycles

### **STABILITY**

Products are stable for one year from purchase when stored properly

## **REFERENCES**

### **PRODUCT SPECIFIC REFERENCES**