

## Datasheet: AHP610Z

<b>Description:</b>	RABBIT ANTI HUMAN CYTOCHROME P450 1A2
<b>Specificity:</b>	CYTOCHROME P450 1A2
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## Product Details

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/5000 - 1/10000
Functional Assays	▪			1-20ul

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Product Form** Serum - liquid

**Antiserum Preparation** Antisera to human CYP1A2 were raised by repeated immunisation of rabbits with highly purified antigen.

**Preservative Stabilisers** None Present

**Immunogen** Purified human CYP1A2 expressed in *E.coli*.

**External Database Links** **UniProt:**

[P05177](#)   [Related reagents](#)

**Entrez Gene:**

[1544](#)   CYP1A2   [Related reagents](#)

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**RRID**                      AB\_2088989

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**Specificity**                      **Rabbit anti Human cytochrome P450 1A2 antibody** recognizes human cytochrome p450 1A2 (CYP1A2). P450 enzymes are divided into two groups: steroidogenic and xenobiotic. The latter group is comprised of three families 1, 2 and 3. The xenobiotic p450's are involved in most oxidative drug metabolism. Drug metabolism is mediated by family members: CYP3A, CYP2D6, CYP1A2, CYP2C9/10, CYP2C19 and CYP2E1. Rabbit anti Human cytochrome P450 1A2 antibody (**AHP610Z**) is a neutralizing antibody which is a specific and potent inhibitor of CYP1A2 activity.

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**References**                      1. Werck-Reichhart, D. and Feyereisen, R. (2000) Protein family review Cytochromes P450: a success story. [Genome Biology. 1: 1-9](#)  
2. Ng, P.S. *et al.* (2003) Production of inhibitory polyclonal antibodies against cytochrome P450s. [Drug Metab Pharmacokinet. 18 \(3\): 163-72.](#)

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**Storage**                      Store at -20°C. Ship at +4°C

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**                      12 months from date of despatch

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**Health And Safety Information**                      Material Safety Datasheet documentation #10194 available at: 10194: <https://www.bio-rad-antibodies.com/uploads/MSDS/10194.pdf>

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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)

Sheep Anti Rabbit IgG (STAR36...)      [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

From March 15, 2021, we will no longer supply printed datasheets with our products.

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