

Datasheet: AHP610Z

Description:	RABBIT ANTI HUMAN CYTOCHROME P450 1A2
Specificity:	CYTOCHROME P450 1A2
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 <i>E.coli</i> .
External Database Links	UniProt: P05177 Related reagents Entrez Gene: 1544 CYP1A2 Related reagents

Specificity	Rabbit anti Human cytochrome P450 1A2 antibody recognizes human cytochrome p450 1A2
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(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.

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.](#)

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
 Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
 Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
 Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
 Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
 Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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