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Datasheet for ABIN560550

## anti-CYP2J2 antibody (AA 408-498)

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### Overview

Quantity:	100 µg
Target:	CYP2J2
Binding Specificity:	AA 408-498
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CYP2J2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant CYP2J2.
Immunogen:	CYP2J2 (NP_000766, 408 a.a. ~ 498 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LHRDPTEWAT PDTFNPDHFL ENGQFKKREA FMPFSIGKRA CLGEQLARTE LFIFFTSLMQ KFTFRPPNNE KLSLKFRMGI TISPVSHRLC A
Clone:	2D10
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

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Target:	CYP2J2
Alternative Name:	CYP2J2 ( <a href="#">CYP2J2 Products</a> )
Background:	Full Gene Name: cytochrome P450, family 2, subfamily J, polypeptide 2 Synonyms: CPJ2
Gene ID:	1573
NCBI Accession:	<a href="#">NM_000775</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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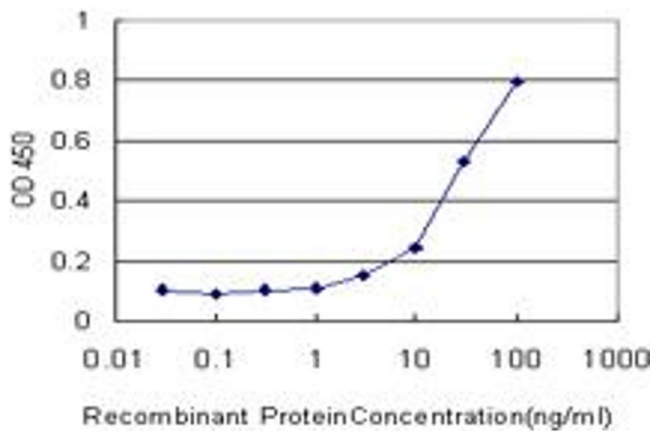
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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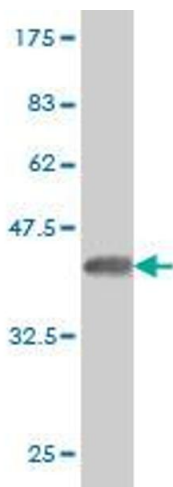
Product cited in:	<p>Kaspera, Kirby, Sahele, Collier, Kharasch, Unadkat, Totah: "Investigating the contribution of CYP2J2 to ritonavir metabolism in vitro and in vivo." in: <b>Biochemical pharmacology</b>, Vol. 91, Issue 1, pp. 109-18, (2014) (<a href="#">PubMed</a>).</p> <p>Lee, Jones, Katayama, Kaspera, Jiang, Freiwald, Smith, Walker, Totah: "Identifying a selective substrate and inhibitor pair for the evaluation of CYP2J2 activity." in: <b>Drug metabolism and disposition: the biological fate of chemicals</b>, Vol. 40, Issue 5, pp. 943-51, (2012) (<a href="#">PubMed</a>).</p> <p>Herse, Lamarca, Hubel, Kaartokallio, Lokki, Ekholm, Laivuori, Gauster, Huppertz, Sugulle, Ryan, Novotny, Brewer, Park, Kacik, Hoyer, Verlohren, Wallukat, Rothe, Luft, Muller, Schunck, Staff, Dechend: "Cytochrome P450 subfamily 2J polypeptide 2 expression and circulating epoxyeicosatrienoic metabolites in preeclampsia." in: <b>Circulation</b>, Vol. 126, Issue 25, pp. 2990-9, (2012) (<a href="#">PubMed</a>).</p>
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Pearson, Warren, Barrett, Khan: "Detection of EETs and HETE-generating cytochrome P-450 enzymes and the effects of their metabolites on myometrial and vascular function." in: **American journal of physiology. Endocrinology and metabolism**, Vol. 297, Issue 3, pp. E647-56, (2009) ([PubMed](#)).



#### ELISA

**Image 1.** Detection limit for recombinant GST tagged CYP2J2 is approximately 3ng/ml as a capture antibody.



#### Western Blotting

**Image 2.** Western Blot detection against Immunogen (35.75 KDa).