

# Rabbit anti-Human, Rat Cytochrome P450 2D6 Polyclonal Antibody | anti-CYP2D6 antibody

Cytochrome P450 2D6 Antibody

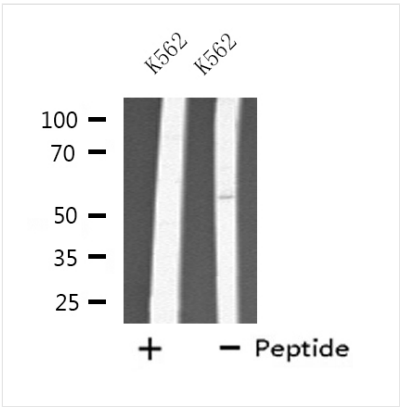
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA325380 | Rabbit | Human, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

## PRODUCT SYNONYMS

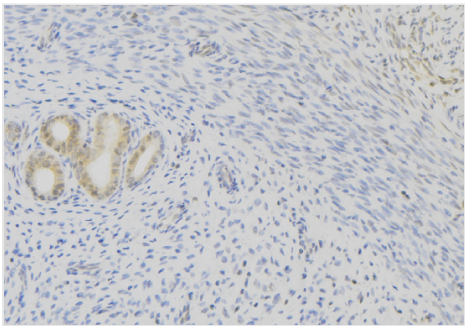
Cytochrome P450 2D6; Polyclonal Antibody; Cytochrome P450 2D6 Antibody; CPD6; CYP2D; CYP2D6; CYP2D7AP; CYP2D7BP; CYP2D7P2; CYP2D8P2; CYP2DL1; CYP11D6; Cytochrome P450 DB1; Cytochrome P450 family 2 subfamily D polypeptide 6; Debrisoquine 4 hydroxylase; Flavoprotein linked monooxygenase; Microsomal monooxygenase; P450 DB1; P450C2D; P450DB1; Xenobiotic monooxygenase; anti-CYP2D6 antibody

## PRODUCT SPECIFICATIONS

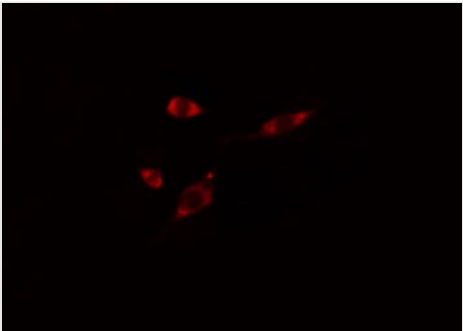
|                                                  |                                                                                                               |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                        |
| Reactivity                                       | Human, Rat                                                                                                    |
| Clonality                                        | Polyclonal                                                                                                    |
| Isotype                                          | IgG                                                                                                           |
| Specificity                                      | Cytochrome P450 2D6 antibody detects endogenous levels of total Cytochrome P450 2D6                           |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                 |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                 |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                        |
| Sequence Length                                  | 497                                                                                                           |
| Applicable Applications for anti-CYP2D6 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)      |
| Immunogen                                        | A synthesized peptide                                                                                         |
| Subcellular Location                             | Endoplasmic Reticulum Membrane; Peripheral Membrane Protein. Microsome Membrane; Peripheral Membrane Protein. |
| Tissue Specificity                               | By pregnancy.                                                                                                 |
| Conjugation                                      | Unconjugated                                                                                                  |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                             |



**WB (Western Blot)**  
Western blot analysis of extracts from K562 cells, using CYP2D6 antibody.



**IHC (Immunohiostchemistry)**  
AAA325380 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**IF (Immunofluorescence)**  
AAA325380 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CYP2D6 antibody</b> | Function: Responsible for the metabolism of many drugs and environmental chemicals that it oxidizes. It is involved in the metabolism of drugs such as antiarrhythmics, adrenoceptor antagonists, and tricyclic antidepressants.<br>Similarity: Belongs to the cytochrome P450 family. |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 392513721                                              |
| NCBI GeneID                      | 1565                                                   |
| NCBI Accession #                 | NP_000097.3                                            |
| NCBI GenBank Nucleotide #        | NM_000106.6                                            |
| UniProt Accession #              | P10635; Q16752; Q2XND6; Q2XND7; Q2XNE0; Q6B012; Q6NXU8 |
| Molecular Weight                 | Observed: 56 kD<br>Predicted: 56 kDa                   |
| NCBI Official Full Name          | cytochrome P450 2D6 isoform 1                          |
| NCBI Official Synonym Full Names | cytochrome P450 family 2 subfamily D member 6          |
| NCBI Official Symbol             | CYP2D6                                                 |

|                               |                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | CPD6; CYP2D; CYP2DL1; CYP2D6; P450C2D; P450DB1; CYP2D7AP; CYP2D7BP; CYP2D7P2; CYP2D8P2; P450-DB1 |
| NCBI Protein Information      | cytochrome P450 2D6                                                                              |
| UniProt Protein Name          | Cytochrome P450 2D6                                                                              |
| UniProt Gene Name             | CYP2D6                                                                                           |
| UniProt Synonym Gene Names    | CYP2DL1                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cytochrome-p450-2d6-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325380>