

DNAxPAb

Hard-to-Find
Antibody

CYP2A7 DNAxPab

Catalog # H00001549-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CYP2A7 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MLASGLLLVALLACLTVMVLSVWQQRKSRGKLPPTPLPFIGNYLQLNTEHICDSIMKFSECYG
PVFTIHLGPRRVVVLGHDVREALVDQAEFSGRGEQATFDWVFKGYGVAFSNGERAKQLLRF
AIATLRDFGVGKRGIEERIQEESGLIEAIRSTHGANIDPTFFLSRTVSNVSSVFSGDRFDYEDKEFL
SLLSMMLGIFQFTSTSTGQLYEMFSSVMKHLPGPQQQAFKLLQGLEDFAKKVEHNQRTLDPNSP
QDFIDSFLIHMQEEEKPNTEFYLNLMSTLNLFIAGTETVSTTLRYGFLLLMKHPEVEAKVHEEID
RVIGKNRQPKFEDRTKMPYMEAVIHEIQRFQGDVIPMSLARRVKKDTKFRDFFLPKGTEVFPMGLGSV
LRDPSFFSNPQDFNPQHFLDDKGQFKKSDAFVPFSIGKRNCFGEGGLARMELFLFFTVMQNFRL
KSSQSPKDIDVSPKHVVVFATIPRNYTMSFLPR

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CYP2A7

Entrez GeneID [1549](#)

GeneBank Accession# [NM_000764.2](#)

Protein Accession# [NP_000755.2](#)

Gene Name CYP2A7

Gene Alias CPA7, CPAD, CYP2A, CYP1A7, P450-IIA4

Gene Description cytochrome P450, family 2, subfamily A, polypeptide 7

Omim ID [608054](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic re ticulum; its substrate has not yet been determined. This gene, which produces two transcript varia nts, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F sub families on chromosome 19q. [provided by RefSeq]

Other Designations cytochrome P450, subfamily IIA (phenobarbital-inducible), polypeptide 7

Pathway

- [Caffeine metabolism](#)
- [Drug metabolism - cytochrome P450](#)
- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Retinol metabolism](#)

Disease

- [Kidney Failure](#)