

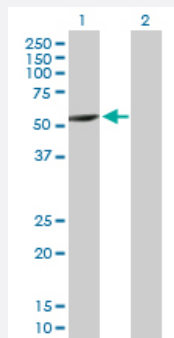
MaxPab®

CYP2A7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001549-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP2A7 expression in transfected 293T cell line by CYP2A7 MaxPab polyclonal antibody.

Lane 1: CYP2A7 transfected lysate(54.34 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CYP2A7 protein.

Immunogen

CYP2A7 (NP_000755, 1 a.a. ~ 494 a.a) full-length human protein.

Sequence

MLASGLLLVALLACLTVMLMSVWQQRKSRGKLPPTPLPFIGNYLQLNTEHICDSIMKFSECYG
PVFTIHLGPRRVVVLGHDVREALVDQAEFSGRGEQATFDWVFKGYGVAFSNGERAKQLLRF
AIATLRDFGVGKRGIEERIQEESGFLIEAIRSTHGANIDPTFFLSRTVSNVISSVFGDRFDYEDKEFL
SLLSMMLGIFQFTSTSTGQLYEMFSSVMKHLPGPQQQAFKLLQGLEDFAKKVEHNQRTLDPNSP
QDFIDSFLIHMQEEKPNPTEFYLNLMSTLNLFIAGTETVSTTLRYGFLLLMKHPEVEAKVHVEID
RVIGKNRQPKFEDRTKMPYMEAVIHEIQRFQDVIPMSLARRVKKDTKFRDFFLPKGTEVFPMLGSV
LRDPSFFSNPQDFNPQHFLDDKGQFKKSDAFVPFSIGKRNCFGEGGLARMELFLFFTVMQNFRL
KSSQSPKDIDVSPKHVVVFATIPRNYTMSFLPR

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (84); Rat (85)

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.

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[Protocol Download](#)

Gene Info — CYP2A7

Entrez GeneID[1549](#)**GeneBank Accession#**[NM_000764](#)**Protein Accession#**[NP_000755](#)**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 reticulum; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies 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](#)