

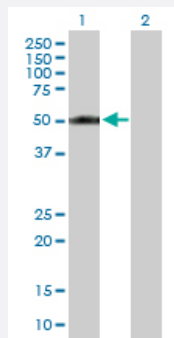
MaxPab®

CYP2A13 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001553-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CYP2A13 expression in transfected 293T cell line ([H00001553-T01](#)) by CYP2A13 MaxPab polyclonal antibody.

Lane 1: CYP2A13 transfected lysate(54.34 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CYP2A13 protein.

Immunogen

CYP2A13 (AAI53001.1, 1 a.a. ~ 494 a.a) full-length human protein.

Sequence

MLASGLLLVTLLACLTVMVLMVSVWRQRKSRGKLPPGPTPLPFIGNYLQLNTEQMYNSLMKISERYG
PVFTIHLGPRRVVVLGHDVKEALVDQAEFSGRGEQATFDWLFKGYGVAFSNGERAKQLRRF
SIATLRGFGVGKRGIEERIQEEAGFLDALRGTHGANIDPTFFLSRTVSNVSSIVFGDRFDYEDKEFL
SLLRMMLGSFQFTATSTGQLYEMFSSVMKHLPGPQQQAFKELQGLEDFAKKVEHNQRTLDPNS
PRDFIDSFLIRMQEEEEKNPNTTEFYLNLMVTTLNLFAGTETVSTTLRYGFLLLMKHPEVEAKVHEE
IDRVIGKNRQPKFEDRAKMPYTEAVIHEIQRFGDMLPMGLAHRVNKDTKFRDFFLPKGTEVFPMLG
SVLRDPRFFSNPRDFNPQHFLDKKGQFKKSDAFVPFSIGKRYCFGEGLARMELFFFTIMQNFR
FKSPQSPKDIDVSPKHVGFATIPRNYTMSFLPR

Host

Mouse

Reactivity

Human

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 — CYP2A13

Entrez GeneID [1553](#)

GeneBank Accession# [BC153000](#)

Protein Accession# [AAI53001.1](#)

Gene Name CYP2A13

Gene Alias CPAD, CYP2A

Gene Description cytochrome P450, family 2, subfamily A, polypeptide 13

Omim ID [608055](#)

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. Although its endogenous substrate has not been determined, it is known to metabolize 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone, a major nitrosamine specific to tobacco. This gene 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 13

Pathway

- [Caffeine metabolism](#)
- [Drug metabolism - cytochrome P450](#)

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

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Leiomyomatosis](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Precancerous Conditions](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Neoplasms](#)