

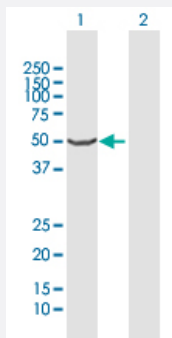
MaxPab®

CYP2A13 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001553-D01

Size 100 uL

Applications

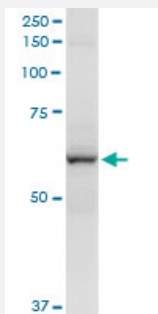


Western Blot (Transfected lysate)

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.



Immunoprecipitation

Immunoprecipitation of CYP2A13 transfected lysate using anti-CYP2A13 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CYP2A13 purified MaxPab mouse polyclonal antibody (B01P) ([H00001553-B01P](#)).

Specification

Product Description

Rabbit 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

MLASGLLLVTLLACLTVMVLMVSVWRQQRKSRGKLPPGPTPLPFIGNYLQLNTEQMYNSLMKISERYG
PVFTIHLGPRRVVVLGCHDAVKEALVDQAEFSGRGEQATFDWLFKGYGVAFSNGERAKQLRRF
SIATLRGFGVGKRGIEERIQEEAGFLDALRGTHGANIDPTFFLSRTVSNVISSVFGDRFDYEDKEFL
SLLRMMLGSGFQTATSTGQLYEMFSSVMKHLPGPQQQAFKELQGLEDFAKKVEHNQRTLDPNS
PRDFIDSFLIRMQEEKPNTEFYLNKLVMTTLNLFAGTETVSTTLRYGFLLLMKHPEVEAKVHEE
IDRVIGKNRQPKFEDRAKMPYTEAVIHEIQRFGDMLPMGLAHRVNKDTKFRDFFLPKGTEVFPMLG
SVLRDPRFFSNPRDFNPQHFLDKKGQFKKSDAFVPFSIGKRYCFGEGLARMELFLFFTIMQNFR
FKSPQSPKIDVSPKHVGFATIPRNYTMSFLPR

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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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](#)