CYP2A13 rabbit monoclonal antibody

Catalog # H00001553-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CYP2A13 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CYP2A13 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CYP2A13 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — CYP2A13

Entrez GeneID	1553
GeneBank Accession#	CYP2A13
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 re ticulum. 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 i s part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamil ies 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