



CYP2A13 rabbit pAb

Cat No.:ES2097

For research use only

Overview

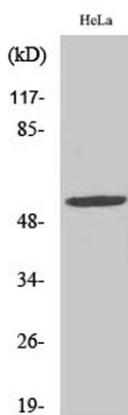
Product Name	CYP2A13 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Cytochrome P450 2A13. AA range:311-360
Specificity	CYP2A13 Polyclonal Antibody detects endogenous levels of CYP2A13 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cytochrome P450 2A13
Gene Name	CYP2A13
Cellular localization	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	56kD
Human Gene ID	1553
Human Swiss-Prot Number	Q16696
Alternative Names	CYP2A13; Cytochrome P450 2A13; CYP11A13
Background	cytochrome P450 family 2 subfamily A member 13(CYP2A13) Homo sapiens This gene encodes a member of the cytochrome P450 superfamily of



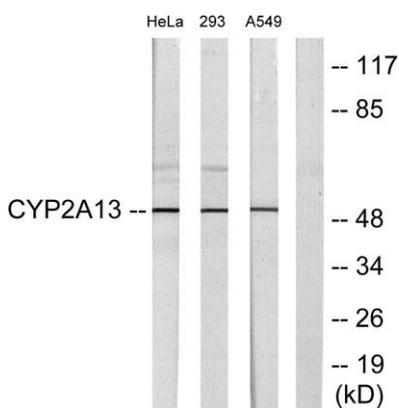


enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. Although its endogenous substrate has not been determined, it is known to metabolize

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, Jul 2008],

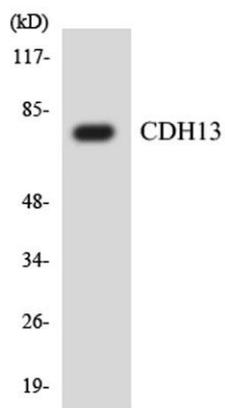


Western Blot analysis of various cells using CYP2A13 Polyclonal Antibody diluted at 1:2000

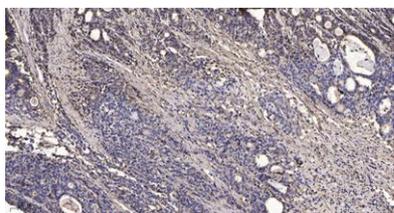


Western blot analysis of lysates from HeLa, 293, and A549 cells, using Cytochrome P450 2A13 Antibody. The lane on the right is blocked with the synthesized peptide.





Western blot analysis of the lysates from HT-29 cells using CDH13 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

