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## anti-CYP2A13 antibody (C-Term)

3 Images



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Quantity:	400 μL
Target:	CYP2A13
Binding Specificity:	AA 446-477, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CYP2A13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

### **Product Details**

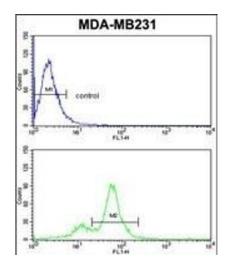
lmmunogen:	This CYP2A13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 446-477 amino acids from the C-terminal region of human CYP2A13.
Clone:	RB16985
Isotype:	lg Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## **Target Details**

Target:	CYP2A13	
Alternative Name:	CYP2A13 (CYP2A13 Products)	

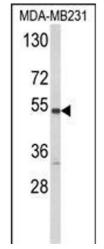
## **Target Details**

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Background:	CYP2A13 is 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.	
Molecular Weight:	56688	
Gene ID:	1553	
NCBI Accession:	NP_000757	
UniProt:	Q16696	
Application Details		
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



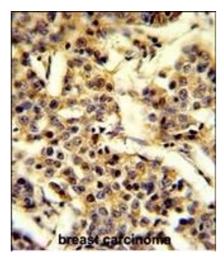
## **Flow Cytometry**

**Image 1.** CYP2A13 Antibody (C-term) (ABIN652591 and ABIN2842396) flow cytometric analysis of MDA-M cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### **Western Blotting**

**Image 2.** Western blot analysis of CYP2A13 Antibody (Cterm) (ABIN652591 and ABIN2842396) in MDA-M cell line lysates (35  $\mu$ g/lane). CYP2A13 (arrow) was detected using the purified Pab.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Formalin-fixed and paraffin-embedded human breast carcinoma reacted with CYP2A13 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.