#### bs-2589R

## [ Primary Antibody ]

## CYP1A2 Rabbit pAb



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– DATASHEET –––––––––––––––––––––––––––––––––––		400-901-9800
Host: Rabbit	<b>Isotype:</b> IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 1544	SWISS: P05177	<b>IF</b> (1:100-500)
Target: CYP1A2		Flow-Cyt (0.2ug/test)
Immunogen: KLH conjugated synthetic peptide derived from human CYP1A2: 221-320/513.		<b>Reactivity:</b> Human (predicted: Mouse, Rat)
Purification: affinity purifie	d by Protein A	
Concentration: 1mg/ml		Predicted
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Subcellular Location: Cell membrane ,Cytoplasm
Background: This gene end of enzymes. T which catalyz synthesis of c encoded by tl its expression hydrocarbons The enzyme's able to metal Other xenobic aflatorin B1	odes a member of the cytochrome P450 superfamily he cytochrome P450 proteins are monooxygenases e many reactions involved in drug metabolism and holesterol, steroids and other lipids. The protein nis gene localizes to the endoplasmic reticulum and is induced by some polycyclic aromatic (PAHs), some of which are found in cigarette smoke. endogenous substrate is unknown; however, it is iolize some PAHs to carcinogenic intermediates. otic substrates for this enzyme include caffeine, and acetaminophen. The transcript from this gene	

# 48-25-

Sample: HepG2(Human) Cell Lysate at 30 ug Primary: Anti-P450 1A2 (bs-2589R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56 kD Observed band size: 56 kD



Tissue/cell: human liver cancer; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-P450 1A2 Polyclonal Antibody, Unconjugated(bs-2589R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:Molt-4. Primary Antibody (green line): Rabbit Anti-P450 1A2 antibody (bs-2589R) Dilution: 0.2µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 0.2µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at-20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

### - SELECTED CITATIONS -

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