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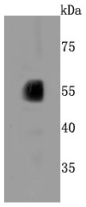
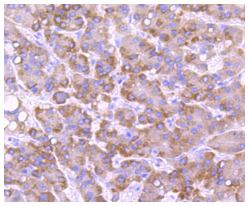
CYP2E1 Recombinant Rabbit mAb

Catalog Number:	bsm-52923R
Target Protein:	CYP2E1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	1A26
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:400-800), IF (1:50-200), ICC/IF (1:50)
Reactivity:	Human, Mouse (predicted:Rat)
Predicted MW:	57 kDa
Entrez Gene:	1571
Swiss Prot:	P05181
Purification:	affinity purified by Protein A
Storage:	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.
Background:	The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and biosynthesis. Cytochrome P450 2E1 is induced by ethanol, diabetes and starvation. The enzyme metabolizes both endogenous substrates, such as ethanol, acetone, and acetal, and exogenous substrates including benzene, carbon tetrachloride, ethylene glycol, and nitrosamines. Due to its many substrates, this enzyme may be involved in such varied processes as gluconeogenesis, hepatic cirrhosis, diabetes, and cancer.

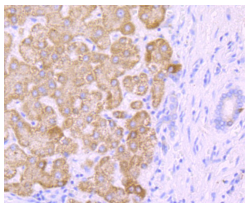
VALIDATION IMAGES



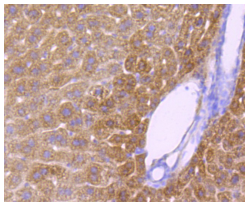
Sample: Lane 1: human liver tissue lysates Primary: Anti-CYP2E1 (bsm-52923R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 57 kD Observed band size: 57 kD



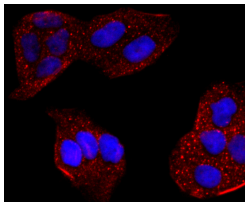
Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYP2E1) Monoclonal Antibody, Unconjugated (bsm-52923R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



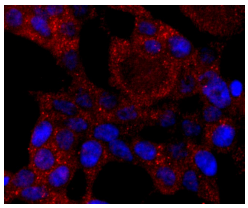
Paraformaldehyde-fixed, paraffin embedded (human liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYP2E1) Monoclonal Antibody, Unconjugated (bsm-52923R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CYP2E1) Monoclonal Antibody, Unconjugated (bsm-52923R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CYP2E1) monoclonal Antibody, Unconjugated (bsm-52923R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



293T cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CYP2E1) monoclonal Antibody, Unconjugated (bsm-52923R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.