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Product Data Sheet

Anti-Cytochrome P450 2A7 Antibody

Catalog #	Source	Reactivity	Applications
CPA1309	Rabbit	H, M, R	WB, IH

Description	Rabbit polyclonal antibody to Cytochrome P450 2A7
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cytochrome P450 2A7. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Cytochrome P450 2A7 protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Gene Symbol	CYP2A7
Alternative Names	Cytochrome P450 2A7; CYPIIA7; Cytochrome P450 IIA4
Entrez Gene	1549 (Human)
SwissProt	P20853 (Human)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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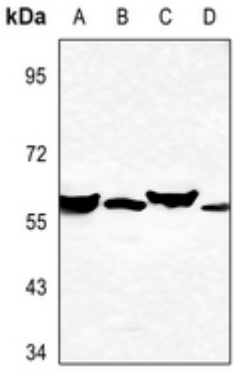
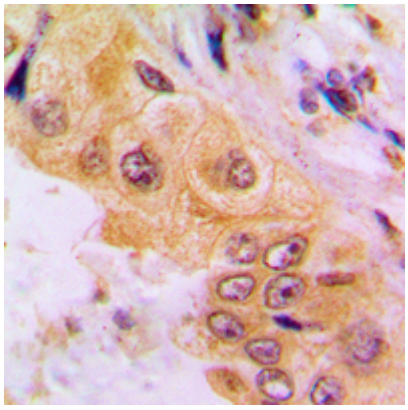


Western blot analysis of Cytochrome P450 2A7 expression in mouse liver (A), mouse brain (B), rat liver (C), rat brain (D) whole cell lysates. (Predicted band size: 56 kD; Observed band size: 56 kD)



Immunohistochemical analysis of Cytochrome P450 2A7 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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