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CYP2A7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55438

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P20853
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56425

Additional Information

Gene ID	1549
Other Names	Cytochrome P450 2A7, 1.14.14.1, CYPIIA7, Cytochrome P450 IIA4, CYP2A7
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CYP2A7
Synonyms	CYP2A4 {ECO:0000303|PubMed:2322567}
Function	Xenobiotic-metabolizing enzyme that can catalyze the hydroxylation of species-specific aromatic amine substrates (PubMed:38792050). Catalyzes the hydroxylation of diclofenac to a hydroxydiclofenac metabolite in vitro, suggesting a potential role in drug metabolism (PubMed:38792050). Does not metabolize nicotine, coumarin, or 7-ethoxycoumarin (PubMed:38792050).
Cellular Location	Endoplasmic reticulum membrane; Peripheral membrane protein. Microsome membrane; Peripheral membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.