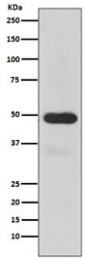
CYP3A4 Antibody / Cytochrome P450 3A4 [clone ACDE-3] (RQ5252)

Catalog No.	Formulation	Size
RQ5252	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ACDE-3
Purity	Affinity purified
UniProt	P08684
Applications	Western blot: 1:1000-1:5000
Limitations	This CYP3A4 antibody is available for research use only.



Western blot testing of human fetal liver lysate with CYP3A4 antibody. Expected molecular weight: 50-57 kDa.

Description

Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It performs a variety of oxidation reactions (e.g. caffeine 8-oxidation, omeprazole sulphoxidation, midazolam 1'-hydroxylation and midazolam 4-hydroxylation) of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. The enzyme also hydroxylates etoposide.

Application Notes

Optimal dilution of the CYP3A4 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Cytochrome P450 3A4 / CYP3A4 was used as the immunogen for the CYP3A4 antibody.

Storage

Store the CYP3A4 antibody at -20oC.

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