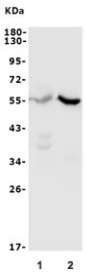
CYP11B1/2 Antibody (RQ5878)

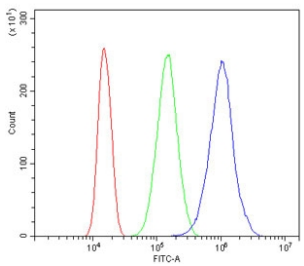
Catalog No.	Formulation	Size
RQ5878	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P15538
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This CYP11B1/2 antibody is available for research use only.



Western blot testing of 1) rat kidney and 2) mouse kidney lysate with CYP11B1/2 antibody. Predicted molecular weight ~55 kDa.



Flow cytometry testing of human 293T cells with CYP11B1/2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CYP11B1/2 antibody.

Description

CYP11B1 shows close homology to the CYP11B2 gene, which encodes aldosterone synthase and is normally expressed only in the zona glomerulosa. Both genes map to chromosome 8q21. This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the mitochondrial inner membrane.

Application Notes

Optimal dilution of the CYP11B1/2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-P491) was used as the immunogen for the CYP11B1/2 antibody.

Storage

After reconstitution, the CYP11B1/2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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