



# NB5R4 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05143
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CYB5R4 NCB5OR
<b>Protein Name</b>	Cytochrome b5 reductase 4 (EC 1.6.2.2) (Flavoheмоprotein b5/b5R) (b5+b5R) (N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein) (cb5/cb5R)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 380-460
<b>Specificity</b>	NB5R4 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	57kD
<b>Cell Pathway</b>	Endoplasmic reticulum . Soluble protein.
<b>Tissue Specificity</b>	Widely expressed.
<b>Function</b>	catalytic activity:NADH + 2 ferricytochrome b5 = NAD(+) + H(+) + 2 ferrocycytochrome b5.,cofactor:FAD.,function:NADH-cytochrome b5 reductase involved in endolasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS). Reduces a variety of substrates in vitro, such as cytochrome c, ferri cyanide and methemoglobin.,polymorphism:Variants Arg-187 and Arg-223 do not influence the pathogenesis of non-autoimmune diabetes.,similarity:Belongs to the flavoprotein pyridine nucleotide cytochrome reductase family.,similarity:Contains 1 CS domain.,similarity:Contains 1 cytochrome b5 heme-binding domain.,similarity:Contains 1 FAD-binding FR-type domain.,subcellular location:Soluble protein.,tissue specificity:Widely expressed.,
<b>Background</b>	NCB5OR is a flavoheмоprotein that contains functional domains found in both cytochrome b5 (CYB5A; MIM 613218) and CYB5 reductase (CYB5R3; MIM



613213) (Zhu et al., 1999 [PubMed 10611283]).[supplied by OMIM, Jan 2010],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images