

Polyclonal Antibody to CYB5R4 - Aff - Purified

Alternate names:	Cytochrome b5 reductase 4, Flavohemoprotein b5/b5R, N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein, NCB5OR, cb5/cb5R
Catalog No.:	TA311518
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	NADH-cytochrome b5 reductase involved in endoplasmic 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, fericyanide and methemoglobin.
Uniprot ID:	Q3TDX8
NCBI:	NP_077157.2
GeneID:	266690
Host:	Goat
Immunogen:	Synthetic peptide (RCQLEKLALREKRFD) from the internal region of Mouse (NP_077157.2). Genename: Cyb5r4 AA Sequence: RCQLEKLALREKRFD
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography Buffer System: Tris saline, pH~7.3 Preservatives: 0.02% Sodium Azide Stabilizers: 0.5% BSA
Applications:	Peptide ELISA: 1/64000 (Detection limit). Western Blot: 0.1-0.3 µg/ml. Detects a band of Approx 65kDa in Rat Spleen lysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	55 kDa (NP_596918.2) and 58.8kDa (Q68EJ0-1).
Specificity:	This antibody recognizes CYB5R4.
Species Reactivity:	Tested: Rat. Expected from sequence similarity: Mouse.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

(0.1ug/ml) staining of Rat Spleen lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

