

**CYB5R3 (I169) polyclonal antibody**

Catalog: BCP00599

Host: Rabbit

Reactivity: Human,Mouse,Rat

**BackGround:**

CYB5R3 (NADH-cytochrome b5, reductase 3, diaphorase 1) is a 301 amino acid protein encoded by the human gene CYB5R3. CYB5R3 belongs to the flavoprotein pyridine nucleotide cytochrome reductase family and has two naturally occurring isoforms. Isoform 1 is anchored to the cytoplasmic side of the endoplasmic reticulum membrane and mitochondrion outer membrane, while isoform 2 is the soluble form found in erythrocytes. CYB5R3 is involved in the desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism and, in erythrocytes, methemoglobin reduction.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 34 kDa

**Swiss-Prot:**

P00387

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

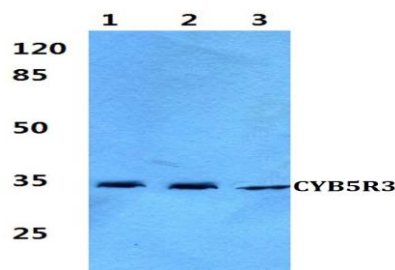
IHC: 1:50~1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

CYB5R3 (I169) polyclonal antibody detects endogenous levels of CYB5R3 protein.

**DATA:**

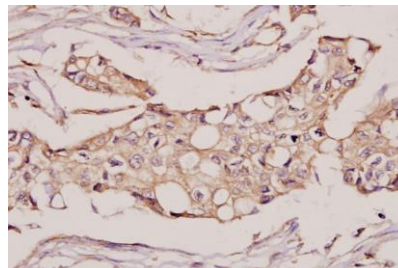
Western blot (WB) analysis of CYB5R3 (I169) pAb at 1:500 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:The Testis tissue lysate of Rat(40ug)

Lane4:The Testis tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of CYB5R3 (I169) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

**Note:**

For research use only, not for use in diagnostic procedure.