

## Product datasheet for **TA349862**

### Cytochrome b5 (CYB5A) Rabbit Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB: 200–1000 WB positive control: Human kidney cancer, mouse liver and human bladder carcinoma tissue IHC: 50–200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Fusion protein of human CYB5A
<b>Formulation:</b>	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Antigen affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	15 kDa
<b>Gene Name:</b>	cytochrome b5 type A
<b>Database Link:</b>	<a href="#">NP_683725</a> <a href="#">Entrez Gene 64001 Rat</a> <a href="#">Entrez Gene 109672 Mouse</a> <a href="#">Entrez Gene 1528 Human</a> <a href="#">P00167</a>

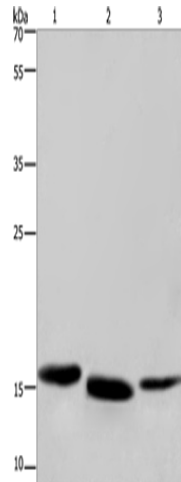


**Background:** The protein encoded by this gene is a membrane-bound cytochrome that reduces ferric hemoglobin (methemoglobin) to ferrous hemoglobin, which is required for stearyl-CoA-desaturase activity. Defects in this gene are a cause of type IV hereditary methemoglobinemia. Three transcript variants encoding different isoforms have been found for this gene.

**Synonyms:** CYB5; MCB5

**Protein Families:** Transmembrane

**Product images:**



Gel: 10%SDS-PAGE

Lysate: 40 µg

Lane 1-3: Human kidney cancer tissue

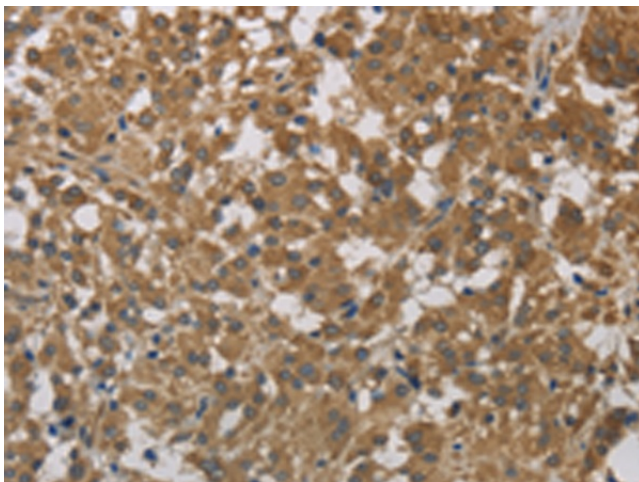
mouse liver tissue

human bladder carcinoma tissue

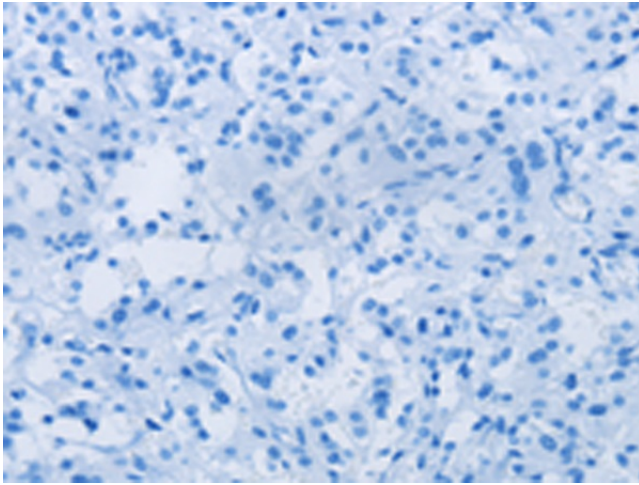
Primary antibody: TA349862 (CYB5A Antibody)  
at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

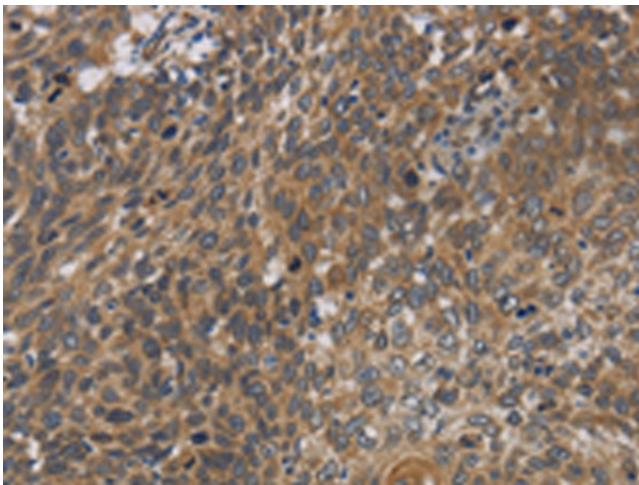
Exposure time: 1 minute



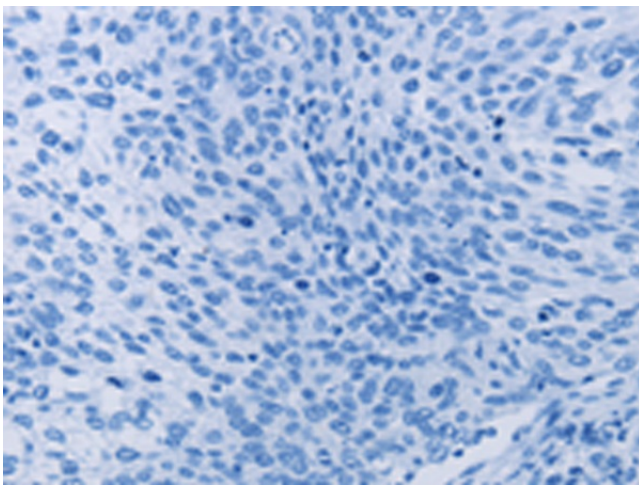
Immunohistochemistry of paraffin-  
embedded Human thyroid cancer tissue  
using TA349862 (CYB5A Antibody) at dilution  
1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349862 (CYB5A Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349862 (CYB5A Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA349862 (CYB5A Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )