

Anti-SDHB Antibody (5K408)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	5K408
Purification:	Affinity-chromatography

Applications

1. Western Blot

- Positive WB detected in: 293 whole cell lysate, K562 whole cell lysate, NIH/3T3 whole cell lysate, PC-3 whole cell lysate, Rat heart tissue, Mouse heart tissue, Mouse liver tissue
- All lanes: SDHB antibody at 1:2000
- Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
- Predicted band size: 32 kDa
- Observed band size: 32 kDa

2. IHC image of TMAH-01078 diluted at 1:100 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Verified Activity:

3. IHC image of TMAH-01078 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

4. Overlay histogram showing 293 cells stained with TMAH-01078 (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated goat anti-rabbit IgG (H+L) at 1/200 dilution for 30min at 4°C. Control antibody (green line) was Rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA,FCM,IHC,WB

Recommended WB:1:500-1:5000; IHC:1:50-1:200; FCM:1:20-1:200.

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human SDHB

Antigen Species: Human

Gene ID: 6390

Uniprot ID: P21912

Synonyms: mitochondrial;SDH;Ip;Succinate dehydrogenase [ubiquinone] iron-sulfur subunit;EC 1.3.5.1; Iron-sulfur subunit of complex II;SDH1

Biology Area: Cancer, Cell biology, Metabolism, Signal transduction

Research Background

Iron-sulfur protein (IP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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