

## Anti-COX5B Polyclonal Antibody

Cat: K107592P

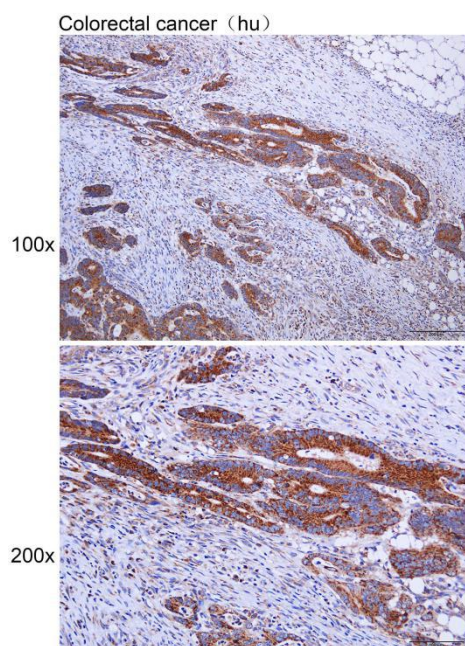
### Summary:

【Product name】: Anti-COX5B antibody	【Source】: Rabbit
【Isotype】: IgG	【Species reactivity】: Human Mouse Rat
【Swiss Prot】: P10606	【Gene ID】: 1329
【Calculated】: MW:13kDa	
【Purification】: Affinity purification	
【Tested applications】: IHC	
【Recommended dilution】: IHC 1:100-300.	
【IHC Positive sample】: Human colorectal cancer	
【Subcellular location】: Cytoplasm	
【Immunogen】: A synthetic peptide of human COX5B	
【Storage】: Shipped at 4°C. Upon delivery aliquot and store at -20°C	

### Background:

Cytochrome C oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme.

## Verified picture



Immunohistochemistry of paraffin-embedded  
Human colorectal cancer with COX5B  
antibody diluted at 1:200