

## Cox-11 (F80) polyclonal antibody

Catalog: BS2185

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Cytochrome c oxidase (COX) is the terminal enzyme in the electron transfer chain, functioning as a transmembrane proton pump that builds an electrochemical gradient with chemical energy from the reduction of O<sub>2</sub>. Cytochrome c oxidase assembly protein COX11 is an intracellular mitochondrial membrane protein necessary for the construction of an active COX complex. COX11 contains a single transmembrane helix downstream of the N-terminal, mitochondrial targeting sequence and a C-terminal Cu(I)-binding domain. The assembly of COX requires the delivery of metal cofactors. Along with COX12 and SCO1/2, COX11 acts as a metal ion chaperone necessary for copper insertion into CuA and CuB redox-active copper centers of COX in eukaryotes.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 31 kDa

### Swiss-Prot:

Q9Y6N1

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

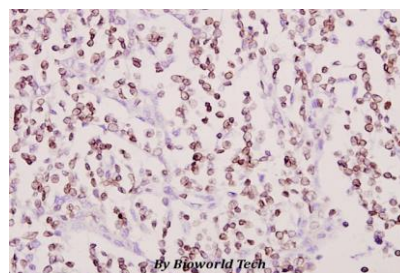
### Storage&Stability:

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

### Specificity:

Cox-11 (F80) polyclonal antibody detects endogenous levels of Cox-11 protein.

### DATA:



Immunohistochemistry (IHC) analyzes of Cox-11 (F80) pAb in paraffin-embedded human tonsil cancer tissue at 1:50.

### Note:

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

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