

## MaxiK $\beta$ 2 (I186) polyclonal antibody

Catalog: BCP01067

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

MaxiK $\beta$  subunit 1 consists of two putative transmembrane domains, an extracellular loop containing three consensus sequences for N-linked glycosylation and four cysteine residues that might form disulfide bridges. MaxiK $\beta$  subunit 1, one of four subunits in the MaxiK $\beta$  family, is expressed predominately in smooth muscle tissue but is also found in brain, liver and lymphatic tissues. MaxiK $\beta$  subunit 1 associates with MaxiK $\alpha$  to form a calcium-activated potassium channel (also designated MaxiK and BK channel). MaxiK $\beta$  subunit 1 increases the sensitivity of the MaxiK $\alpha$  to calcium and voltage. The MaxiK $\alpha$ / $\beta$ 1 channel is the most sensitive of all Maxi channels to calcium. MaxiK $\beta$  plays an important role in vasoregulation by controlling the sensitivity of MaxiK channels to calcium, which leads to the proper amount of arterial relaxation.

### Product:

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

### Molecular Weight:

~ 27 kDa

### Swiss-Prot:

Q9Y691

### 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:

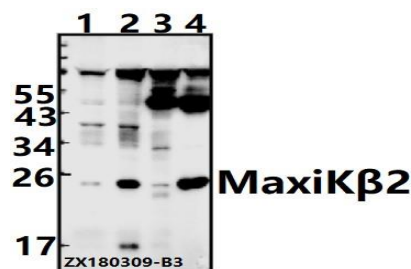
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

MaxiK $\beta$ 2 (I186) polyclonal antibody detects endogenous levels of MaxiK $\beta$ 2 protein.

### DATA:



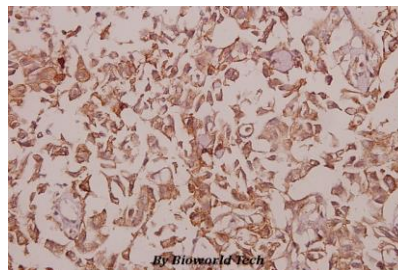
Western blot (WB) analysis of MaxiK $\beta$ 2 (I186) pAb at 1:500 dilution

Lane1:SK-OVCAR3 whole cell lysate(40ug)

Lane2:A2780 whole cell lysate(40ug)

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

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



Immunohistochemistry (IHC) analyzes of MaxiK $\beta$ 2 (I186) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

### Note:

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