

BK Channel Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250561

Unit: 0.1 mg

Description:

The BK channel (calcium-activated potassium channel subunit alpha-1 or KCNMA1) is a potassium channel activated by both membrane depolarization or increase in cytosolic Ca(2+) that mediates export of K(+). BK channel is also activated by the concentration of cytosolic Mg(2+). BK channel has a key role in controlling excitability in a numerous systems, such as smooth muscle contraction, tuning of hair cells in the cochlea, regulation of transmitter release, and innate immunity. Defects in KCNMA1 are the cause of generalized epilepsy and paroxysmal dyskinesia (GEPD).

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, Mk, M, P, R

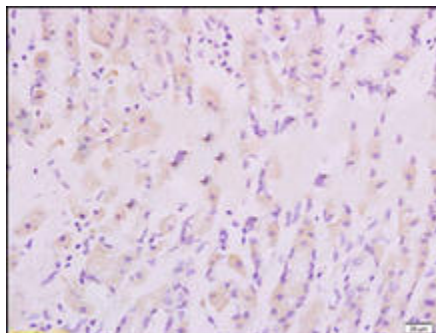
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and peptide affinity chromatography.

Alternate Names: Calcium-activated potassium channel subunit alpha-1; Calcium-activated potassium channel, subfamily M subunit alpha-1; Maxi K channel; MaxiK; BK channel; K(VCA)alpha; BKCA alpha; KCa1.1; Slowpoke homolog; slo homolog; Slo-alpha; Slo1; hSlo; KCNMA1; KCNMA; SLO

Accession No.: Q12791

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BK channel.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



BK Channel staining in esophagus. Paraffin-embedded human esophageal carcinoma tissue is stained with BK Channel Antibody (Cat. No. 250561) used at 1:200 dilution ON at 4°C. Tissue is fixed with 4% paraformaldehyde and antigen retrieval protocol consists in boiling for 15 min in 0.01M citrate buffer, pH6.0.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.