

Anti-KCNMB1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

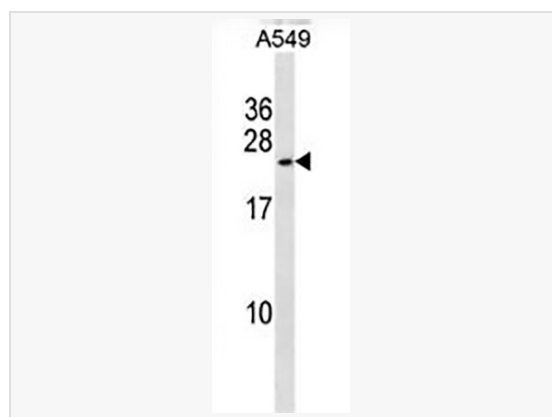
Catalog # P167709

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human KCNMB1
Format	Affinity purified polyclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-KCNMB1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Calcium-activated potassium channel subunit beta-1; BK channel subunit beta-1; BKbeta; BKbeta1; Hbeta1; Calcium-activated potassium channel; subfamily M subunit beta-1; Calcium-activated potassium channel subunit beta; Charybdotoxin receptor subunit beta-1; K (VCA) beta-1; Maxi K channel subunit beta-1; Slo-beta-1; Slo-beta.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 22 kDa
Uniprot ID	Q16558
Gene ID	3779
Antigen Region	43-72 aa
Background	ZO-1 forms complexes with either ZO-2 or ZO-3. In addition, these proteins can also associate with claudin, occludin and F-actin, at tight junction stands, where they provide a linkage between the actin cytoskeleton and the tight junction. ZO-1 expression is significantly reduced in many breast cancer lines. ZO-2 and ZO-3 are ubiquitously expressed within epithelial tight junctions, and unlike ZO-1, which is also expressed at cell junctions of cardiac myocytes, ZO-2 is not expressed in nonepithelial tissue. ZO-1 is a protein located on a cytoplasmic membrane surface of intercellular tight junctions. ZO-1 may be involved in signal transduction at cell-cell junctions. Two transcript variants encoding distinct isoforms have been identified for the ZO-1 gene. Diseases associated with ZO-1 dysfunction include Celiac Disease and Congenital Nephrotic Syndrome.
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Abundantly expressed in smooth muscle. Low levels of expression in most other tissues. Within the brain, relatively high levels found in hippocampus and corpus callosum.



Western Blot - Anti-KCNMB1 Rabbit pAb

All lanes: P167709 at 1:1,000 dilution

Lane 1: A549 cell line lysates

Lysates/proteins at 35 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated at 1:5,000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa

Developed using the ECL technique.