

Anti-KCNV2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 62 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;</p> <p>Incubation: Anti-KCNV2 Polyclonal Antibody, Unconjugated (TMAB-07956) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Blank control (blue): Hepg2 Cells (fixed with 2% paraformaldehyde (10 min)).</p> <p>Primary Antibody: Rabbit Anti-KCNV2/FITC Conjugated antibody (TMAB-07956 /FITC), Dilution: 3 µg in 100 µL 1X PBS containing 0.5% BSA;</p> <p>Isotype Control Antibody: Rabbit IgG/FITC (orange), used under the same conditions.</p>
Application:	IHC-P,IHC-Fr,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human KCNV2
Antigen Species:	Human
Gene ID:	169522
Uniprot ID:	Q8TDN2

Research Background

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium voltage-gated channel subfamily V. This member is identified as a 'silent subunit', and it does not form homomultimers, but forms heteromultimers with several other subfamily members. Through obligatory heteromerization, it exerts a function-altering effect on other potassium channel subunits. This protein is strongly expressed in pancreas and has a weaker expression in several other tissues. [provided by RefSeq, Jul 2008]

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