Data Sheet (Cat.No.TMAB-07933)

Anti-KCNH5 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 112 kDa. Actual: 117 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: HepG2 (Human) Cell Lysate at 30 μg Primary: Anti-KCNH5 (TMAB-07933) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 112 kD Observed band size: 117 kD 2. Sample: Hcclm3 (Human) Cell Lysate at 30 μg Primary: Anti-KCNH5 (TMAB-07933) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 112 kD Observed band size: 117 kD
Application:	WB
Recommended	WB: 1:500-2000

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 KCNH5
Antigen Species:	Human
Gene ID:	27133
Uniprot ID:	Q8NCM2

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. The KCNH5 gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit of a voltage-gated non-inactivating delayed rectifier potassium channel. KCNH5 is not expressed in differentiating myoblasts.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481