

## Product datasheet for **TA326563**

### **Kcni2 Mouse Monoclonal Antibody [Clone ID: S60-73]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	S60-73
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Fusion protein amino acids 1-252 (Full length) of rat KChIP2b
<b>Formulation:</b>	PBS pH7.4, 50% glycerol
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	Kv channel-interacting protein 2
<b>Database Link:</b>	<a href="#">NP_001029133</a> <a href="#">Entrez Gene 30819 Human</a> <a href="#">Entrez Gene 80906 Mouse</a> <a href="#">Entrez Gene 56817 Rat</a> <a href="#">Q9JM59</a>

**Background:** There are four member of the KChIPs (Kv4 potassium channel interacting protein) family. They are all EF handcontaining proteins required for the traffic of channelforming Kv4 K+ subunits to the plasma membrane . KChIP2 expression has been found to be significantly decreased in hypertrophy and heart failure , and does so thru modulatin of intracellular concentration and calcineurin/NFAT pathways . It has also been found that KChIP2 also functionally modulates the Cav1.2 goverened Ltype calcium channel through a direct interaction between KChIP2 and the amino-terminus of Cav1.2 .

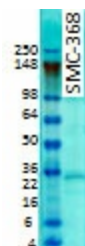
**Synonyms:** DKFZp566L1246; KCHIP2; MGC17241



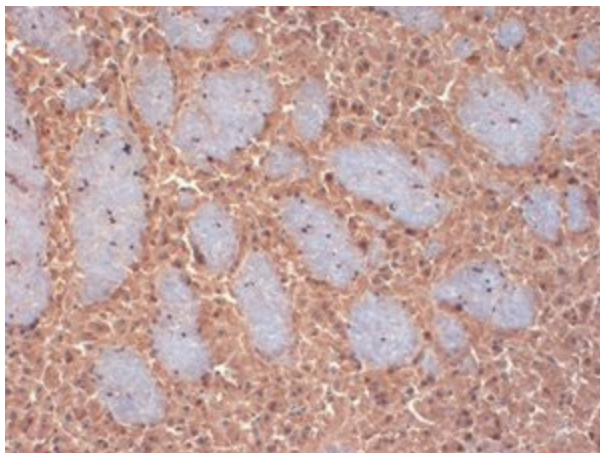
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Note: Detects ~35kDa. No cross-reactivity against rat KCHiPs 1, 3

### Product images:



Western blot analysis on rat brain membrane tissues using a 1:1000 dilution of the antibody



IHC analysis of KcHIP2 in frozen sections of mouse brain extract using the antibody