

Product datasheet for **AP26427AF-L**

Kcnd3 (55-64) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | ELISA, WB |
| Recommended Dilution: | ELISA: 1:500,000 for detection of the peptide coated on ELISA plate. Western blot: 1:5,000 to detect the 74kDa mouse Kv4.3 in mouse brain tissue extract. |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic peptide corresponding to amino acid 55-64 of mouse voltage-gated potassium channel Kv4.3, conjugated with KLH |
| Specificity: | This antibody is reactive to the 74kDa Kv4.3 in mouse brain tissue extract and other species with consensus Kv4.3 sequence (RTTLERYPDT). |
| Formulation: | 0.01M PBS, pH 7.4 State: Azide Free State: Lyophilized Ig fraction |
| Reconstitution Method: | Restore with double distilled water to adjust the final concentration to 1.00mg/ml. |
| Purification: | Protein G affinity |
| Conjugation: | Unconjugated |
| Storage: | Store lyophilized at 2-8°C for 6 month or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | potassium voltage-gated channel, Shal-related family, member 3 |
| Database Link: | Entrez Gene 56543 Mouse Q9Z0V1 |



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Background:

Kv4.3 is a member of the voltage-gated potassium channel family. Kv4.3 forms complex with K channel interacting protein and regulates the transient potassium efflux and repolarization in cardiac myocytes. Kv4.3 is highly expressed in brain tissue. It is a member of the rapid inactivating A-type Kv channel subfamily and is encoded by KCND3 gene in human. There are two isoforms of this protein with different sizes resulted from alternative splicing.

Synonyms:

Potassium voltage-gated channel subfamily D member 3, Voltage-gated potassium channel subunit Kv4.3

Product images:

Western blot analysis of extracts from mouse brain using anti-KV4.3 rabbit whole antiserum.