

## Product datasheet for **AP05078PU-N**

### Kcnd2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1:1000. Immunoprecipitation. Immunofluorescence. Positive Control: transfected HEK293 cells containing Kv4.2 cDNA. Negative control: untransfected HEK293 cells.
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Kv4.2 peptide -KLH (a.a 23-43)
Specificity:	This antibody reacts to KCND2.
Formulation:	PBS with 0,008% sodium azide pH 7,4 State: Purified State: Liquid purified Ig (0.2 µM sterile filtered)
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily D member 2
Database Link:	<a href="#">Entrez Gene 65180 Rat Q63881</a>



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**Background:**

In neurons voltage-dependent potassium channels are key determinants of the resting membrane potential and of membrane excitability, conditioning the frequency, and shape of action potential (1). Potassium channels are encoded by numerous genes whose products can be classified into distinct subfamilies of which the most distinctively characterized is that of the Kv1 shaker class (2) The rabbit anti Kv 4.2 potassium channel antibody recognizes an 80 kDa protein by western blot on rat hippocampal membranes and a protein of 80 kDa in lysates of HEK293 cells (3).

**Synonyms:**

Potassium voltage-gated channel subfamily D member 2, Voltage-gated potassium channel subunit Kv4.2, KIAA1044