

**Product Name: KV3.1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab13165**



## Summary

<b>Production Name</b>	KV3.1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	KCNC1
<b>Alternative Names</b>	KCNC1; Potassium voltage-gated channel subfamily C member 1; NGK2; Voltage-gated potassium channel subunit Kv3.1; Voltage-gated potassium channel subunit Kv4
<b>Gene ID</b>	3746.0
<b>SwissProt ID</b>	P48547.Synthesized peptide derived from KV3.1 . at AA range: 190-270

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000..
<b>Molecular Weight</b>	60kD

## Background

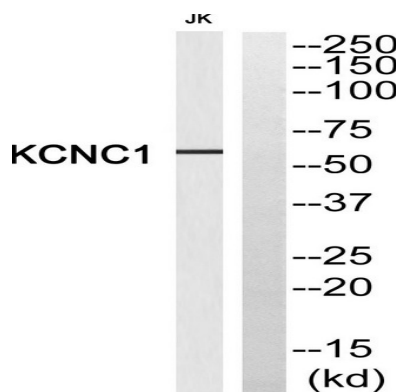
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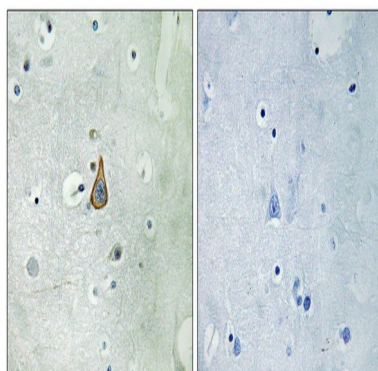
This gene encodes a member of a family of integral membrane proteins that mediate the voltage-dependent potassium ion permeability of excitable membranes. Alternative splicing is thought to result in two transcript variants encoding isoforms that differ at their C-termini. These isoforms have had conflicting names in the literature: the longer isoform has been called both &quot;b&quot; and &quot;alpha&quot;, while the shorter isoform has been called both &quot;a&quot; and &quot;beta&quot; (PMIDs 1432046, 12091563). [provided by RefSeq, Oct 2014],domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,domain:The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.,function:Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.,similarity:Belongs to the potassium channel family. C (Shaw) subfamily.,subunit:Heteromultimer with KCNG3, KCNG4 and KCNV2.,

## Research Area

## Image Data

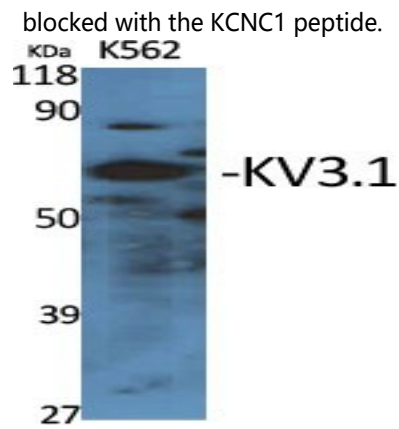


Western blot analysis of KCNC1 Antibody. The lane on the right is blocked with the KCNC1 peptide.

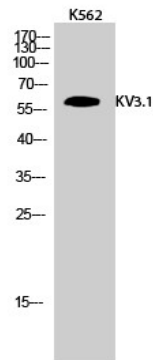


Immunohistochemistry analysis of paraffin-embedded human brain, using KCNC1 Antibody. The lane on the right is

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Western Blot analysis of various cells using KV3.1 Polyclonal Antibody



Western Blot analysis of K562 cells using KV3.1 Polyclonal Antibody

## Note

For research use only.