

## anti- Kv4.2 antibody

### Product Information

Catalog No.:	FNab04666
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This member mediates a rapidly inactivating, A-type outward potassium current which is not under the control of the N terminus as it is in Shaker channels.

### Immunogen information

Immunogen:	potassium voltage-gated channel, Shal-related subfamily, member 2
Synonyms:	KCND2, KIAA1044, Kv4.2, RK5
Observed MW:	82kDa
UniprotID :	Q9NZV8

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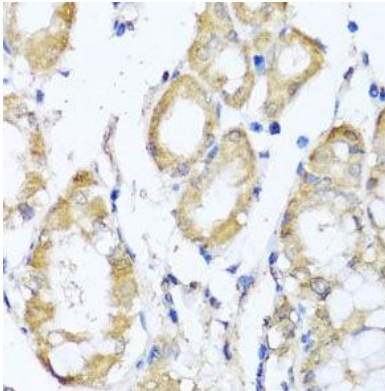
## Application

Reactivity: Human, Rat

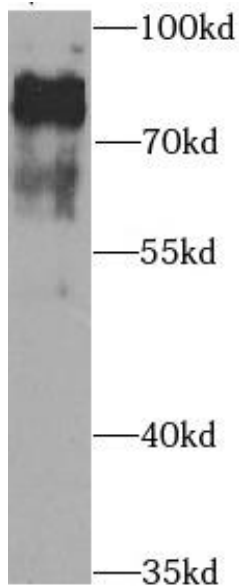
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human stomach using FNab04666(Kv4.2 antibody)) at dilution of 1:100



THP-1 cells were subjected to SDS PAGE followed by western blot with FNab04666(Kv4.2 antibody) at dilution of 1:1000

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