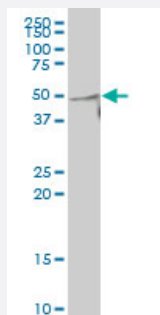


# KCNG3 polyclonal antibody (A01)

Catalog # H00170850-A01

Size 50 uL

## Applications



### Western Blot (Tissue lysate)

KCNG3 polyclonal antibody (A01). Western Blot analysis of KCNG3 expression in human ovarian cancer.

Western Blot detection against Immunogen (37 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant KCNG3.
<b>Immunogen</b>	KCNG3 (NP_579875, 23 a.a. ~ 121 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	SRELLKDFPLRRVSRLHGCRSERDVLEVCDYDRERNEYFFDRHSEAFGFILLYVRGHGKLRFP RMCELSFYNEMIYWGLEGHAHLEYCCQRRLLDDRMS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .

Storage Buffer	50 % glycerol
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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## Applications

- Western Blot (Tissue lysate)

KCNG3 polyclonal antibody (A01). Western Blot analysis of KCNG3 expression in human ovarian cancer.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — KCNG3

Entrez GeneID	<a href="#">170850</a>
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GeneBank Accession#	<a href="#">NM_133329</a>
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Protein Accession#	<a href="#">NP_579875</a>
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Gene Name	KCNG3
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Gene Alias	KV10.1, KV6.3
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Gene Description	potassium voltage-gated channel, subfamily G, member 3
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Omim ID	<a href="#">606767</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	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. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This member is a gamma subunit functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq]
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Other Designations	OTTHUMP00000158764 voltage-gated potassium channel 6.3 voltage-gated potassium channel Kv10.1 voltage-gated potassium channel subunit Kv6.4
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## Publication Reference

- [De novo expression of Kv6.3 contributes to changes in vascular smooth muscle cell excitability in a hypertensive mice strain.](#)

Moreno-Dominguez A, Ciudad P, Miguel-Velado E, Lopez-Lopez JR, Perez-Garcia MT.

The Journal of Physiology 2009 Feb; 587(3):625.

Application: WB-Ce, Mouse, Mouse vascular smooth muscle cells