

## Anti-VGLL1 antibody

<b>Cat. No.</b>	ml151131
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-VGLL1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB
<b>Immunogen</b>	Synthetic peptide of human VGLL1
<b>Reactivity</b>	Human
<b>Content</b>	2 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	VGLL1
<b>Full name</b>	vestigial like 1 (Drosophila)
<b>Synonyms</b>	TDU; VGL1
<b>Swissprot</b>	Q99990

### Target Background

The protein encoded by this gene binds proteins of the TEA domain family of transcription factors (TEFs) through the Vg (vestigial) homology region found in its N-terminus. It may thus function as a specific coactivator for the mammalian TEFs. TDU interacted directly with the TEA domain family member, TEF1, and deletion of the Vg homology region abolished the interaction. The TDU-TEF1 dimer activated a reporter plasmid, and expression of TDU in Drosophila rescued loss of Vg function. The interaction was stronger in cardiac myocytes, suggesting a myocyte-specific factor may participate in the interaction. Vgll1 was weakly active in driving expression of a reporter gene from the mouse skeletal muscle alpha-actin promoter, and Vgll1 could partially reverse the inhibitory effect of TEF1 in this assay.

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#### Applications

##### Western blotting

Predicted band size: 29 kDa

Positive control: 293T cells

Recommended dilution: 2000-10000

Gel: 10% SDS-PAGE

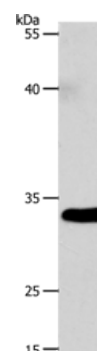
Lysate: 40 µg

Lane: 293T cells

Primary antibody: ml151131 (VGLL1 Antibody) at dilution 1/4600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 45 seconds



##### ELISA

Recommended dilution: 2000-20000

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