

## VGLL2 polyclonal antibody

Catalog: BS61467

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Vgl-2 (Transcription cofactor vestigial-like protein 2), also known as VITO-1, is a 317 amino acid protein that contains a domain through which it interacts with TEF-1, a protein that plays a role in controlling the expression of numerous genes. Specific to skeletal muscle, Vgl-2 is expressed highly in adult fast muscle and is expressed at lower levels in adult slow muscle and fetal skeletal muscle. During muscle differentiation, Vgl-2 mRNA levels increase and Vgl-2 translocates from the cytoplasm to the nucleus. Overexpression of Vgl-2 in MYOD-transfected 10T1/2 mouse embryonic fibroblasts increases expression of myosin heavy chain (MHC), which is a marker of terminal muscle differentiation. This evidence suggests that Vgl-2 is essential for muscle gene expression. There are two isoforms of Vgl-2 that are produced as a result of alternative splicing events.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 33 kDa

### Swiss-Prot:

Q8N8G2

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

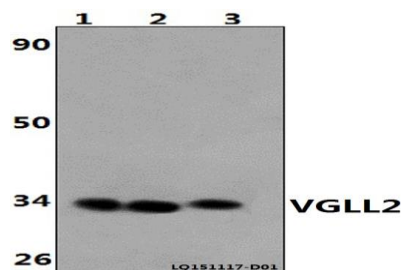
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

VGLL2 polyclonal antibody detects endogenous levels of VGLL2 protein.

### DATA:



Western blot (WB) analysis of VGLL2 polyclonal antibody at 1:500 dilution

Lane1: The Heart tissue lysate of Rat(40ug)

Lane2: The Heart tissue lysate of Mouse(40ug)

Lane3: Hela whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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