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## Datasheet for ABIN1401319 **anti-VGLL2 antibody (Biotin)**

### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | VGLL2  |
| Reactivity:  | Human, Mouse, Rat  |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This VGLL2 antibody is conjugated to Biotin  |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | KLH conjugated synthetic peptide derived from human VGLL2 |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human, Mouse, Rat   |
| Purification:     | Purified by Protein A.                                    |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | VGLL2   |
| Alternative Name: | VGLL2 ( <a href="#">VGLL2 Products</a> )  |
| Background:       | <p>Synonyms: Protein VITO1, Transcription cofactor vestigial like 2, Transcription cofactor vestigial like protein 2, Transcription cofactor vestigial-like protein 2, Vestigial like 2, Vestigial like 2</p> <p>Drosophila, Vgl-2, VGL2, VGLL 2, VglI2, VGLL2_HUMAN, VITO1.</p> <p>Background: Vgl-2, also known as VITO-1, is a 317 amino acid protein that contains a domain</p> |

## Target Details

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.

Gene ID: 245806

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months