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Datasheet for ABIN2814824

## anti-ILVBL antibody (AA 301-400) (Alexa Fluor 594)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | ILVBL   |
| Binding Specificity: | AA 301-400  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ILVBL antibody is conjugated to Alexa Fluor 594  |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

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

### Target Details

|                   |  |
|-------------------|--|
| Target:           | ILVBL                                    |
| Alternative Name: | ILVBL ( <a href="#">ILVBL Products</a> ) |

## Target Details

|             |  |
|-------------|--|
| Background: | <p>Synonyms: Acetolactate synthase homolog, Acetolactate synthase like protein, Acetolactate synthase-like protein, AHAS, ILV2H, 209L8, IlvB bacterial acetolactate synthase like, IlvB like protein, IlvB-like protein, Ilvbl, ILVBL_HUMAN.</p> <p>Background: ILVBL is a 632 amino acid single-pass membrane protein that belongs to the TPP enzyme family. Expressed in the majority of tissues, ILVBL has the highest level of expression in heart, pancreas and placenta. ILVBL is highly homologous to several bacterial enzymes, including the B isozyme of the large catalytic subunit of E. coli acetohydroxy-acid synthase (AHAS) and the oxalyl-coA decarboxylase of O. formigenes, that utilize thiamine pyrophosphate as a cofactor. ILVBL binds one magnesium ion and one thiamine pyrophosphate per subunit, and may catalyze the initial step in branched-chain amino acid biosynthesis. The gene encoding ILVBL maps to human chromosome 19p13.12 and mouse chromosome 10 C1.</p> |
|-------------|--|

|          |       |
|----------|-------|
| Gene ID: | 10994 |
|----------|-------|

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
|--------------------|--|

|               |                       |
|---------------|-----------------------|
| 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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |