

Datasheet for ABIN1711438

**anti-ASPSCR1 antibody (AA 351-420) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | ASPSCR1                                                                                                                                          |
| Binding Specificity: | AA 351-420                                                                                                                                       |
| Reactivity:          | Mouse, Rat                                                                                                                                       |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This ASPSCR1 antibody is conjugated to HRP                                                                                                       |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

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

## Target Details

|                   |                                               |
|-------------------|-----------------------------------------------|
| Target:           | ASPSCR1                                       |
| Alternative Name: | TUG/ASPC ( <a href="#">ASPSCR1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Background: | <p>Synonyms: Alveolar soft part sarcoma chromosomal region candidate gene 1 protein, Alveolar soft part sarcoma chromosome region candidate 1 human, Alveolar soft part sarcoma locus, ASPC, ASPC1_HUMAN, ASPCR 1, ASPCR1, ASPL, ASPS, ASPSCR 1, Aspscr1, FLJ45380, RCC 17, RCC17, renal cell carcinoma gene on chromosome 17, renal cell carcinoma papillary 17, Renal papillary cell carcinoma protein 17, Tether containing a UBX domain for GLUT4, Tether containing UBX domain for GLUT4, TUG, UBX domain containing protein 9, UBX domain protein 9, UBX domain-containing protein 9, UBXD 9, UBXD9, UBXN 9, UBXN9.</p> <p>Background: Glut4 is a twelve pass transmembrane protein (12TM) whose carboxy-terminus may dictate its cellular localization. Aberrant Glut4 expression has been suggested to contribute to such maladies as obesity and diabetes. Glut4 null mice have shown that while functional Glut4 protein is not required for maintaining normal glucose levels, it is necessary for sustained growth, normal cellular glucose, fat metabolism and prolonged longevity. TUG (ASPL in humans) regulates the trafficking of glucose via Glut4. Full-length TUG forms a complex with Glut4 and in 3T3-L1 adipocytes and this complex is present in unstimulated cells and is disassembled by insulin. TUG acts by trapping endocytosed Glut4 and tethering it intracellularly. Insulin mobilizes this pool of retained Glut4 by releasing the tether.</p> |
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| Gene ID: | 79058 |
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## Application Details

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|--------------------|-----------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| 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. |

## Handling

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|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
| Handling Advice: | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase. |
| Storage:         | -20 °C                                                                                               |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                    |
| Expiry Date:     | 12 months                                                                                            |