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Datasheet for ABIN1713923  
**anti-ASPSCR1 antibody (AA 351-420)**

### Overview

Quantity:	100 µL
Target:	ASPSCR1
Binding Specificity:	AA 351-420
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASPSCR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

### 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
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## Target Details

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Alternative Name: TUG/ASPC ([ASPSCR1 Products](#))

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Background: 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.

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.

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Gene ID: 79058

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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## Handling

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Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months