Datasheet for ABIN1707814

anti-ASPSCR1 antibody (AA 351-420) (Cy7)

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 Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 (ASPSCR1 Products)

Target Details

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.
Gene ID:	79058

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	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.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months