Datasheet for ABIN7168473

anti-Rubicon antibody (AA 518-733)

1 Image

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Overview

Quantity:	100 µL
Target:	Rubicon (KIAA0226)
Binding Specificity:	AA 518-733
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Rubicon antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Run domain Beclin-1-interacting and cysteine-rich domain-containing protein (518-733AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Rubicon (KIAA0226)
Alternative Name:	RUBCN (KIAA0226 Products)
Background:	Background: Inhibits PIK3C3 activity, under basal conditions negatively regulates PI3K complex

Target Details

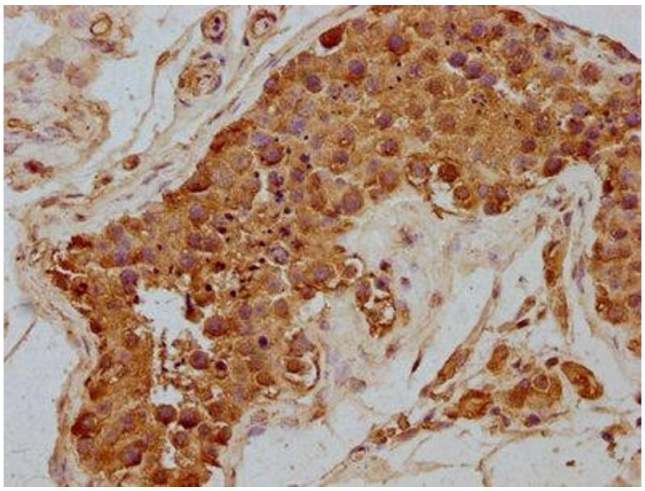
	II (PI3KC3-C2) function in autophagy. Negatively regulates endosome maturation and degradative endocytic trafficking and impairs autophagosome maturation process. Can sequester UVRAG from association with a class C Vps complex (possibly the HOPS complex) and negatively regulates Rab7 activation (PubMed:20974968, PubMed:21062745). Aliases: Baron antibody, Beclin 1 associated RUN domain containing protein antibody, Beclin-1 associated RUN domain containing protein antibody, hypothetical protein LOC9711 antibody, Kiaa0226 antibody, OTTHUMP00000208021 antibody, OTTHUMP00000208023 antibody, OTTHUMP00000208024 antibody, RUBIC_HUMAN antibody, Rubicon antibody, RUN domain and cysteine rich domain containing, Beclin 1 interacting protein antibody, Run domain Beclin 1 interacting and cystein rich containing protein antibody, Run domain Beclin-1 interacting and cysteine-rich containing protein antibody, RUN domain protein as Beclin 1 interacting and cysteine rich containing antibody
UniProt:	Q92622
Pathways:	Autophagy

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7168473 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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