Datasheet for ABIN5066355

anti-Rubicon antibody (N-Term) (Atto 488)

3 Images

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Overview

Quantity:	100 µg
Target:	Rubicon (KIAA0226)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Rubicon antibody is conjugated to Atto 488
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Synthetic peptide from the N-terminal of Human Rubicon
Isotype:	IgG
Specificity:	Detects ~95 kDa.
Cross-Reactivity:	Human
Purification:	Peptide Affinity Purified

Target Details

Target:	Rubicon (KIAA0226)
Alternative Name:	Rubicon (KIAA0226 Products)

Target Details

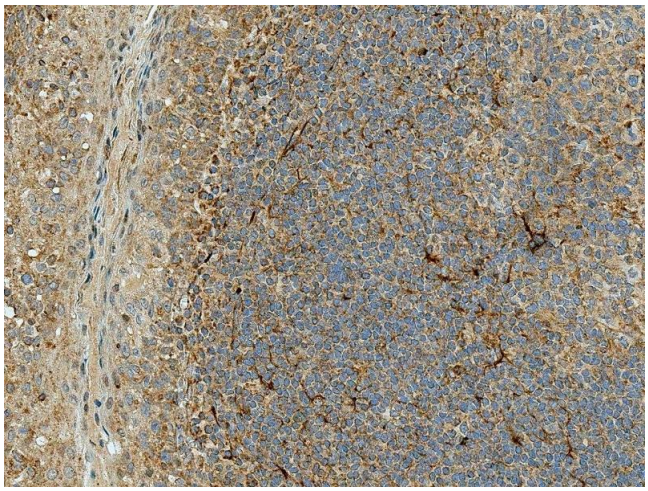
Gene ID:	9711
NCBI Accession:	NP_001139114
UniProt:	Q92622
Pathways:	Autophagy

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:100) • IHC (1:50) • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5066355 was sufficient for detection of Rubicon in 15 µg of human Hela cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

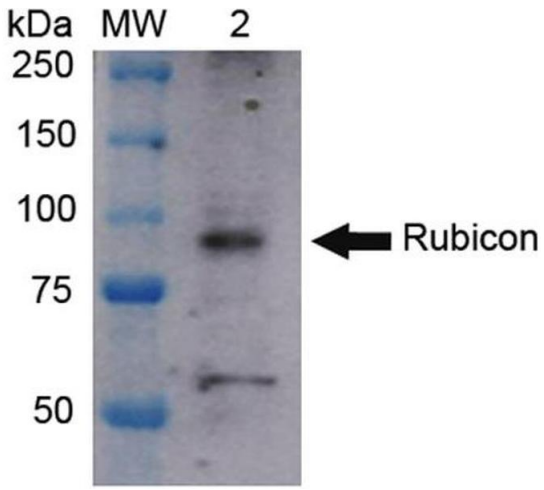
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



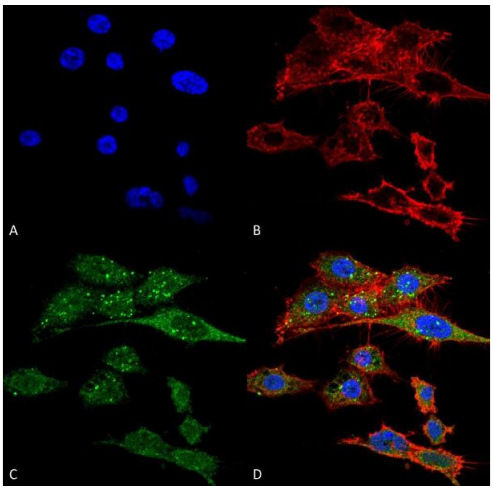
Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-Rubicon Polyclonal Antibody (ABIN5066355). Tissue: Tonsil. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-Rubicon Polyclonal Antibody (ABIN5066355) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 20X. HRP-DAB Detection.



Western Blotting

Image 2. Western blot analysis of Human HeLa cell lysates showing detection of ~108 kDa Rubicon protein using Rabbit Anti-Rubicon Polyclonal Antibody . Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysates. Load: 15 µg. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-Rubicon Polyclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1:1000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~108 kDa.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-Rubicon Polyclonal Antibody . Tissue: Colon carcinoma cell line (RKO). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Rabbit Anti-Rubicon Polyclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Rabbit ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60 min at RT, 5 min at RT. Localization: Late Endosome, Lysosome, Early Endosome . Magnification: 60X. (A) DAPI nuclear stain. (B) Phalloidin Texas Red F-Actin stain. (C) Rubicon Antibody. (D) Composite.