



Datasheet for ABIN2789823  
**anti-ATG13 antibody (N-Term)**



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ATG13
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATG13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human ATG13
Sequence:	MCVEISLKTS EGDSMELEIW CLEMNEKCDK EIKVSYTVYN RLSLLLKSL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against ATG13. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATG13
Alternative Name:	ATG13 ( <a href="#">ATG13 Products</a> )

## Target Details

---

Background:	<p>ATG13 is an autophagy factor required for autophagosome formation. ATG13 is a target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex.</p> <p>Alias Symbols: ATG13, FLJ20698, KIAA0652</p> <p>Protein Interaction Partner: SESN2, ATG16L1, MAP1LC3A, ATG101, GABARAP, AMBRA1, ULK1, APP, MAP1LC3C, TAB3, MAP1LC3B, GABARAPL1, TAB2, GABARAPL2, UBC, RB1CC1,</p> <p>Protein Size: 480</p>
Molecular Weight:	53 kDa
Gene ID:	9776
NCBI Accession:	<a href="#">NM_014741</a> , <a href="#">NP_055556</a>
UniProt:	<a href="#">O75143</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">Autophagy</a>

## Application Details

---

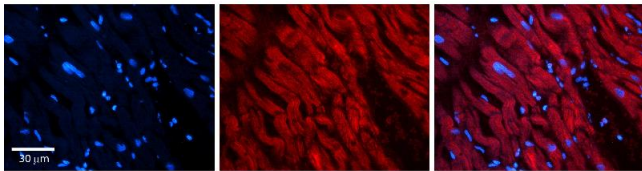
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 480 AA
Restrictions:	For Research Use only

## Handling

---

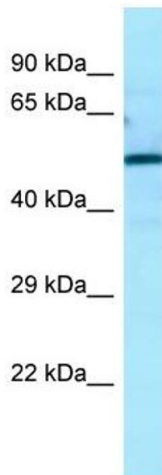
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



### Immunohistochemistry

**Image 1.** Rabbit Anti-ATG13 Antibody Catalog Number: ARP64383\_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



### Western Blotting

**Image 2.** WB Suggested Anti-ATG13 Antibody Titration: 1.0 ug/ml Positive Control: 293T Whole Cell There is BioGPS gene expression data showing that ATG13 is expressed in HEK293T