

Datasheet

ATG13 (phospho S318) polyclonal antibody

Catalog Number: PAB19948

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic phosphopeptide of ATG13.

Immunogen: Synthetic phosphopeptide corresponding to residues surrounding S318 of human ATG13.

Host: Rabbit

Theoretical MW (kDa): 56.6

Reactivity: Human

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human ATG13 pS318 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated human ATG13 is minimal by ELISA and western blot. A BLAST analysis was used to suggest cross reactivity with ATG13 from human based on 100% sequence homology with the immunogen. Reactivity against homologues from other sources is not known.

Form: Liquid

Purification: Affinity purification

Recommend Usage: ELISA (1:25000-1:175000)
Western Blot (1:1000)
The optimal working dilution should be determined by

the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 9776

Gene Symbol: ATG13

Gene Alias: KIAA0652

References:

1. Pharmacological Inhibition of ULK1 Blocks mTOR-Dependent Autophagy. Petherick KJ, Conway OJ, Mpamhanga C, Osborne SA, Kamal A, Saxty B, Ganley IG J Biol Chem. 2015 Apr 1. pii: jbc.C114.627778.