

Pig Beclin-1 (BECN1) ELISA Kit

Catalog No: #EK11328



Package Size: #EK11328-1 48T #EK11328-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Pig Beclin-1 (BECN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Other Names	ATG6; VPS30; beclin1; ATG6 autophagy related 6 homolog beclin 1 beclin 1 (coiled-coil; moesin-like BCL2 interacting protein) beclin 1 (coiled-coil; moesin-like BCL2-interacting protein)
Accession No.	Q4A1L5
Uniprot	Q4A1L5
GenID	733576;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.054 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate BECN1 in samples. An antibody specific for BECN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBECN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BECN1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BECN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Beclin-1 is also known as autophagy-related gene (Atg) 6. Beclin-1 and its binding partner class III phosphoinositide 3-kinase (PI3K), also named Vps34, are required for the initiation of the formation of the autophagosome in autophagy.Human beclin encodes a novel 450-amino acid protein containing a coiled-coil region, within which it has limited homology to myosin-like proteins . Human and mouse beclin share 98% amino acid sequence identity. Caenorhabditis elegans and Saccharomyces cerevisiae beclin homologs were also identified. PROSITE analysis of human beclin detected several potential glycosylation, phosphorylation, and myristoylation sites, but no other functional sequence motifs. Northern blot analysis of mouse and adult human tissues revealed widespread beclin expression.

Note: This product is for in vitro research use only