



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Tat-Beclin 1 (267-284)

The Tat-Beclin-1 (autophagy activator) peptide is derived from a region of the autophagy protein, beclin 1, attached to the HIV-1 Tat protein transduction domain. The peptide includes 11 amino acids at the N terminus derived from the Tat protein transduction domain, 18 amino acids (267–284 aa) from beclin 1 at the C terminus and a GG linker. It reduces the accumulation of polyglutamine aggregates and pathogen replication *in vitro*. Tat-Beclin-1 is also found to reduce the mortality of mice infected by different viruses as well as is predicted to stimulate cell death via autophagy.

This antibody was generated by immunization of rabbits with Tat-Beclin-1 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4869 (Lot A13408)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, Mouse, Rat, Porcine, Bovine, Chicken, Vertebrate, Monkey, Rabbit, Others
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Tyr-Gly-Arg-Lys-Lys-Arg-Arg-Gln-Arg-Arg-Arg-Gly-Gly-Thr-Asn-Val-Phe-Asn-Ala-Thr-Phe-Glu-Ile-Trp-His-Asp-Gly-Glu-Phe-Gly-Thr-OH coupled to a carrier protein.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE:	%:
Tat-beclin 1 (267-284)	100
Beclin 1 (267-284)	100

Applications:

Tested in ELISA against Tat-Beclin-1 and in immunohistochemistry (IHC). Other applications like FACS and Western blot may work as well.

Approximate working dilution for IHC:

Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

Please see **www.bma.ch** for protocols and general information

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.