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Product datasheet for TA364358

Tat-Beclin-1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against Tat- Beclin-1. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Background:	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.

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