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Product datasheet for TA590802

TAT Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	WB: 1:5000-1:20000; ELISA: 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.86788 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tyrosine aminotransferase
Database Link:	NP_000344 Entrez Gene 6898 Human P17735

View online »

Background: The transcriptional transactivator (Tat) is a key regulatory protein of HIV. It is expressed early after the virus integrates into the cell, and stimulates the elongation of RNA polymerase II. It binds onto a sequence known as the TAR, or transactivator response element, located at the end of the HIV genetic chain. There, the tat protein helps assemble new copies of HIV. The tat protein-TAR complex speeds up the rate of viral reproduction by about a thousand times. If it is not present, the transcription process frequently stops short, and few functional HIV particles are produced.Tat is an important potential target for antiretrovirals and vaccine development.Transcriptional regulator that acts by binding to the trans-activating responsive sequence (TAR) RNA element and activates transcription initiation and/or elongation from the LTR promoter.

Synonyms: cytosolic; tyrosine aminotransferase

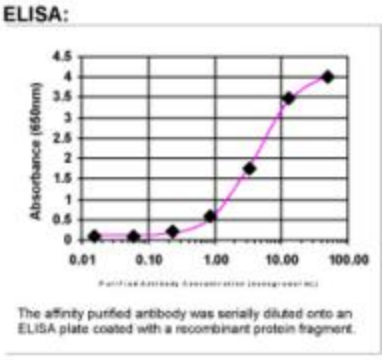
Note: This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT).Learn about GAT

Protein Families: Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tyrosine metabolism, Ubiquinone and other terpenoid-quinone biosynthesis

Product images:

ELISA:



ELISA: TAT Antibody