

Anti-KAT2A/GCN5 Antibody Picoband®

Catalog Number: PB9713

About KAT2A

Histone acetyltransferase KAT2A is an enzyme that in humans is encoded by the KAT2A gene. It is mapped to 17q21. KAT2A, or GCN5, GCN5L2, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. The GCN5 protein, a regulator of transcription activation in yeast, promotes maximal levels of transcription by 2 transcriptional activators, GCN4 and the HAP2-HAP3-HAP4 complex. The GCN4 protein activates transcription of a large number of amino acid biosynthetic genes under limiting amino acid conditions and the HAP2-HAP3-HAP4 complex is thought to mediate transcription of genes involved in respiratory functions. GCN5 also functions as a repressor of NF-kappa-B by promoting ubiquitination of the NF-kappa-B subunit RELA in a HAT-independent manner.

Overview

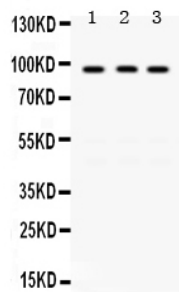
Product Name	Anti-KAT2A/GCN5 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-KAT2A/GCN5 Antibody Picoband® catalog # PB9713. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg Na ₃ N. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q92830

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human KAT2A/GCN5, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human

Anti-KAT2A/GCN5 Antibody Picoband® (PB9713) Images



Western blot analysis of KAT2A/GCN5 using anti-KAT2A/GCN5 antibody (PB9713). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 40ug of sample under reducing conditions. Lane 1: A431 Whole Cell Lysate, Lane 2: 22RV1 Whole Cell Lysate, Lane 3: COLO320 Whole Cell Lysate. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KAT2A/GCN5 antigen affinity purified polyclonal antibody (Catalog # PB9713) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for KAT2A/GCN5 at approximately 94 kDa. The expected band size for KAT2A/GCN5 is at 94 kDa.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-KAT2A/GCN5 Antibody

For Research Use Only. Not for use in diagnostic procedures.