

Anti-Alanine Racemase Antibody

Rabbit Polyclonal Antibody

Catalog # ABV12111

Product Information

Application	WB
Primary Accession	P10724
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43593

Additional Information

Positive Control	Western blot
Application & Usage	Western blot: 1-4 µg
Other Names	Alanine Racemase Y354N, alr, dal
Target/Specificity	Alanine Racemase
Antibody Form	Liquid
Appearance	Colorless liquid
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Alanine Racemase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

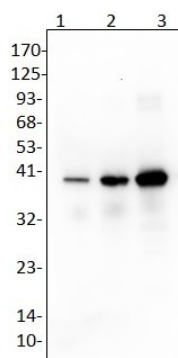
Name	alr
Synonyms	dal
Function	Catalyzes the interconversion of L-alanine and D-alanine. Also weakly active on serine.

Background

Mutant Alanine Racemase (Y354N) (mAR-Y354N), a pyridoxal 5- phosphate (PLP) dependent enzyme catalyzes the interconversion of the L-Serine to D-Serine. In WT Alanine Racemase Tyr354 plays a crucial role in defining the strict specificity of AR for alanine, in converting L-Alanine to D-Alanine, which is an important component of the peptidoglycan layer of bacterial cell wall. By mutating the active site Tyr 354 to Asn, the

specificity of the enzyme changes and it becomes a racemase with dual specificity for L- Alanine and L-Serine.

Images



Western blot analysis of Alanine Racemase antibody in:
Lane 1: Alanine Racemase 2 ng Lane 2: Alanine Racemase
10 ng Lane 3: Alanine Racemase 50 ng

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.