

Product datasheet for TA323587

OriGene Technologies, Inc.

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alpha 1b Adrenergic Receptor (ADRA1B) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: WB: 100-500

WB positive control: Human lung cancer tissue

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide corresponding to a region derived from 500-515 amino acids of Human

Alpha-1B adrenergic receptor

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 57 kDa

Gene Name: adrenoceptor alpha 1B

Database Link: NP 000670

Entrez Gene 11548 MouseEntrez Gene 24173 RatEntrez Gene 147 Human

P35368





Background:

Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A; -1B and -1D; all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1B-adrenergic receptor; which induces neoplastic transformation when transfected into NIH 3T3 fibroblasts and other cell lines. Thus; this normal cellular gene is identified as a protooncogene. This gene comprises 2 exons and a single large intron of at least 20 kb that interrupts the coding region.

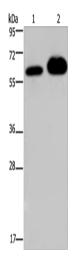
Synonyms: ADRA1; ALPHA1BAR

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle

contraction

Product images:



Gel: 10%SDS-PAGE Lysate: 40 μg

Lane: Human lung cancer tissue

Primary antibody: TA323587 (ADRA1B Antibody)

at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 1 minute