

## ADRA1D polyclonal antibody

Catalog: BS61380

Host: Rabbit

Reactivity: Human

### BackGround:

$\alpha$ 1D-adrenergic receptors ( $\alpha$ 1D-ARs) couple to Gq/11 and participate directly in sympathetic regulation of systemic blood pressure by vasoconstriction.  $\alpha$ 1D-AR can form hetero-oligomers with  $\alpha$ 1B receptors.  $\alpha$ 1D-AR transcripts are abundant in prostate and aorta.  $\alpha$ 1A adrenergic receptors ( $\alpha$ 1A-ARs) mediate actions in the sympathetic nervous system through the binding of the catecholamines, epinephrine and norepinephrine.  $\alpha$ 1A-adrenergic receptors couple to Gq/11 and regulate blood pressure due to changes in vascular tone and cardiac output. Alternative splicing of this gene generates four isoforms with distinct C-termini, and the different expression profile of these subtypes produces distinct patterns of activation.  $\alpha$ 1A-AR transcripts are abundant in heart, brain, liver, and prostate.  $\alpha$ 1A-AR transcripts of 6.0, 4.0, 3.0, and 2.0 kb have been detected in liver.  $\alpha$ 1A-AR transcripts of 6.0, 4.0 and 3.0 kb transcripts have been detected in heart, and 6.0 kb and 4.0 kb transcripts have been detected in prostate.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

P25100

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

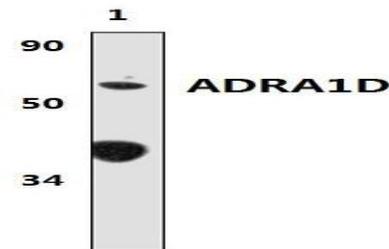
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ADRA1D polyclonal antibody detects endogenous levels of ADRA1D protein.

### DATA:



Western blot (WB) analysis of ADRA1D polyclonal antibody at 1:500 dilution

Lane1: MCF-7 whole cell lysate (40µg)

### Note:

For research use only, not for use in diagnostic procedure.

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