

Datasheet for ABIN213528

anti-ADRA1B antibody (Cytoplasmic Domain)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ADRA1B
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat, Pig, Dog, Cow, Hamster, Horse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA1B antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human ADRA1B. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Pig, Opossum (100%), Bat (94%), Turkey, Chicken (88%), Platypus (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human ADRA1B. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey,

Product Details

Marmoset, Mouse, Rat, Bovine, Dog, Hamster, Elephant, Panda, Horse, Pig, Opossum (100%)
Bat (94%) Turkey, Chicken (88%) Platypus (81%).

Purification: Immunoaffinity purified

Target Details

Target: ADRA1B

Alternative Name: ADRA1B ([ADRA1B Products](#))

Background: Name/Gene ID: ADRA1B
Subfamily: Adrenergic
Family: GPCR

Synonyms: ADRA1B, Alpha 1b, Alpha-1B adrenergic receptor, Alpha-1b-adrenergic, Alpha-1B-adrenergic receptor, Alpha1b, Adrenoceptor alpha 1B, Alpha-1B adrenoreceptor, Alpha1B-AR, Alpha1beta-AR, ALPHA1BAR, ADRA1, Alpha-1B adrenoceptor, Alpha1b-adrenergic

Gene ID: 147

Pathways: [AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: Approved: ELISA, IHC, IHC-P (10 µg/mL)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL.

Comment: Target Species of Antibody: Human

Restrictions: For Research Use only

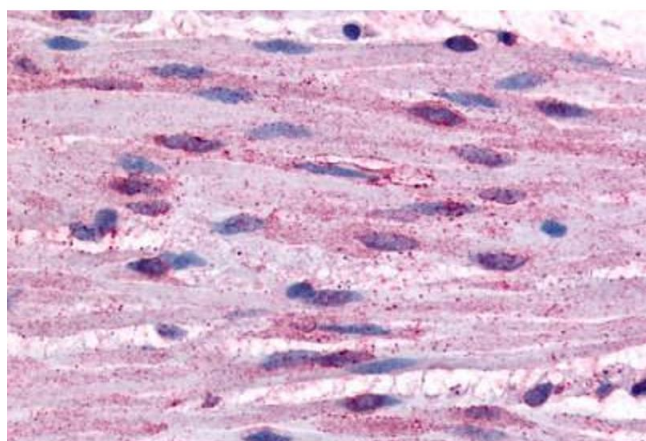
Handling

Format: Liquid

Handling

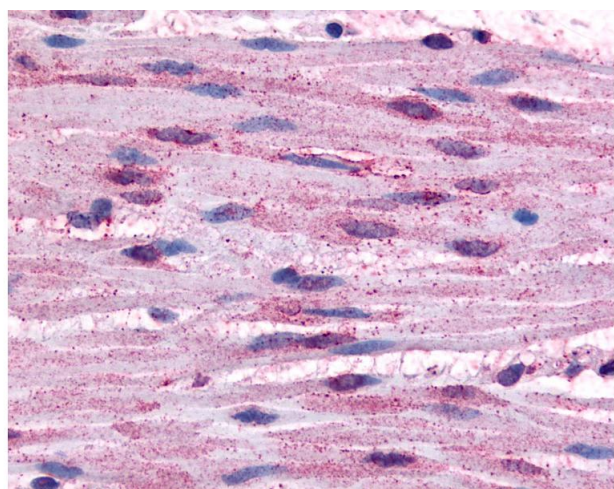
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Smooth Muscle Cells (formalin-fixed, paraffin-embedded) stained with ADRA1B antibody ABIN213528 at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-ADRA1B antibody IHC of human smooth muscle cells. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.