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## Datasheet for ABIN1048312 anti-ADRA1D antibody (Extracellular Domain)





Overview

Quantity:	50 µg
Target:	ADRA1D
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Dog, Horse, Guinea Pig, Monkey, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from 2nd extracellular domain of human ADRA1D. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Dog, Panda, Horse, Pig, Guinea pig (100%), Mouse, Rat, Bovine, Hamster, Rabbit, Opossum (94%), Bat (89%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human ADRA1D. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ADRA1B (56 % ).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Dog, Panda, Horse, Pig, Guinea pig (100%) Mouse, Rat, Bovine, Hamster, Rabbit, Opossum (94%) Bat (89%).
Purification:	Immunoaffinity purified

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## Target Details

Target:	ADRA1D	
Alternative Name:	ADRA1D (ADRA1D Products)	
Background:	Name/Gene ID: ADRA1D	
	Subfamily: Adrenergic	
	Family: GPCR	
	Synonyms: ADRA1D, Alpha 1d, Alpha-1D adrenergic receptor, ADRA1R, Alpha-1D adrenoceptor,	
	Alpha-1D adrenoreceptor, ALPHA1, Alpha-1D-adrenergic receptor, Alpha-adrenergic receptor 1a	
	Alpha1delta-AR, DAR, ADRA1, Adrenoceptor alpha 1D, Alpha-1A adrenergic receptor,	
	DJ779E11.2	
Gene ID:	146	
Application Details		
Application Notes:	Approved: IHC, IHC-P (2.5 µg/mL)	
Comment:	Target Species of Antibody: Human	
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol	
	Tissue Preparation	
	Formalin fixation and embedding in paraffin wax	
	Tissue Sectioning	
	Make 4-µm sections and place on pre-cleaned and charged microscope slides.	
	Heat in a tissue-drying oven for 45 minutes at 60°C	
	Deparaffinization	
	Wash slides in 3 changes of xylene – 5 minutes each at room temperature.	
	Rehydration	
	Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.	
	Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.	
	Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.	
	Rinse slides in gentle running distilled water – 5 minutes at room temperature.	
	Antigen retrieval	

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#### Immunostaining

Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Kinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature. Wash slides in distilled water – 1 minute at room temperature.

#### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip

Restrictions: For Research Use only

#### Handling

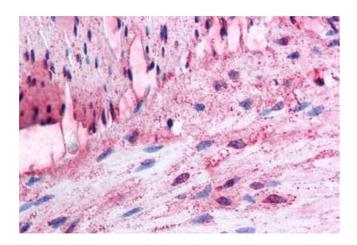
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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	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

**Image 1.** Anti-ADRA1D antibody ABIN1048312 IHC staining of human colon, smooth muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.