

Product datasheet for **TA303089**

beta 1 Adrenergic Receptor (ADRB1) Goat Polyclonal Antibody

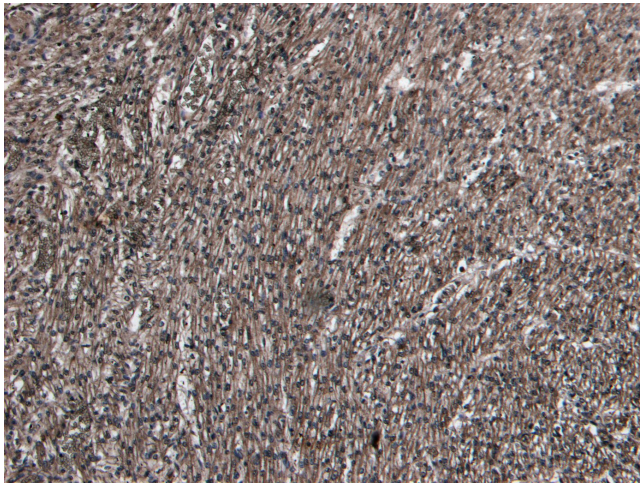
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, PEP-ELISA
Recommended Dilution:	ELISA: 1:64000. WB: 0.5-1.5µg/ml
Reactivity:	Human, Mouse, Rat (Expected from sequence similarity: Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence ESDEARRCYNDPK, from the internal region of the protein sequence according to NP_000675.1.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	adrenoceptor beta 1
Database Link:	NP_000675 Entrez Gene 11554 Mouse Entrez Gene 24925 Rat Entrez Gene 493972 Dog Entrez Gene 153 Human P08588

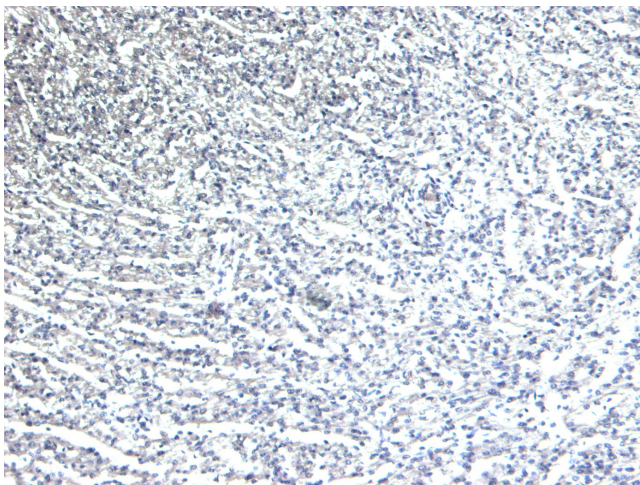


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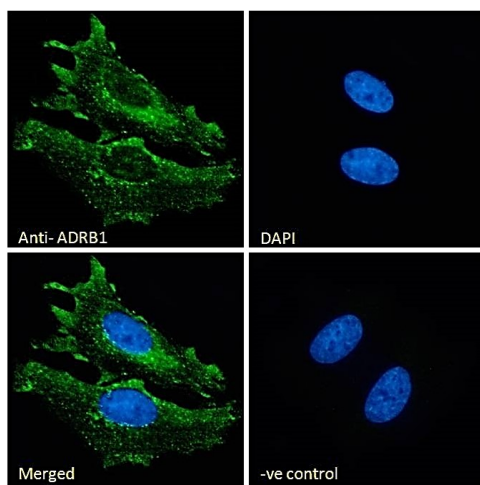
Background:	The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure. [provided by RefSeq]
Synonyms:	ADRB1R; B1AR; BETA1AR; RHR
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Dilated cardiomyopathy, Endocytosis, Gap junction, Neuroactive ligand-receptor interaction

Product images:

TA303089 (6µg/ml) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



TA303089 Negative Control showing staining of paraffin embedded Human Heart, with no primary antibody.



TA303089 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear sta