

Rabbit EDNRA / Endothelin A Receptor Polyclonal Antibody | anti-EDNRA antibody

Rabbit Polyclonal to Human EDNRA / Endothelin A Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51173	Rabbit	Human, Monkey Predicted Reactivity: Mouse, Rat, Dog, Hamster, Horse, Pig, Rabbit	Immunohistochemistry

PRODUCT SYNONYMS

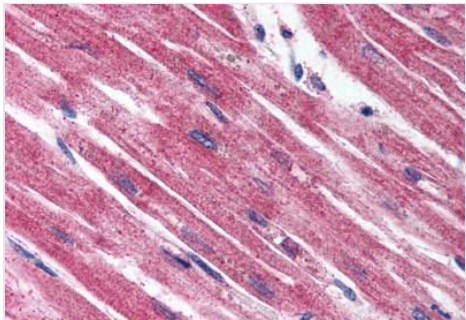
EDNRA / Endothelin A Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human EDNRA / Endothelin A Receptor; Anti-EDNRA / Endothelin A Receptor Antibody (Extracellular Domain) IHC-plus; EDNRA; Endothelin receptor subtype A; Et-a-r; ETRA; Endothelin A receptor; Endothelin eta receptor; Endothelin type a receptor; Endothelin-1 receptor; ETAR; Endothelin receptor type A; HET-AR; Et-a receptor; ETA; ETA-R; Human EDNRA; Endothelin A Receptor; anti-EDNRA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey Predicted Reactivity: Mouse, Rat, Dog, Hamster, Horse, Pig, Rabbit
Clonality	Polyclonal
Specificity	Human Endothelin A Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except EDNRB (72%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	427
Applicable Applications for anti-EDNRA antibody	IHC (Immunohistochemistry)
Family/Subfamily	GPCR / Endothelin
Immunogen Species	EDNRA / Endothelin A Receptor antibody was raised against Human
Immunogen Type	Synthetic peptide
Immunogen	EDNRA / Endothelin A Receptor antibody was raised against synthetic 18 amino acid peptide from 3rd extracellular domain of human Endothelin A Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%); Gibbon, Mouse, Rat, Hamster, Elephant, Panda, Dog, Rabbit, Horse, Pig (94%); Sheep, Bovine, Bat, Opossum, Platypus, Medaka (89%).
Epitope	Extracellular Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	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.

IMAGES



IHC (Immunohistochemistry)
Anti-Endothelin A Receptor antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-EDNRA antibody	The ETA receptor is an Endothelin Receptor that mediates the effects of endothelin-1, a mitogen with potent contractile properties. In the human fetal olfactory epithelium cell line FNC-B4, the ETA receptor increases the secretion of gonadotropin-releasing hormone. Increased ETA concentration may be correlated with smooth muscle hypertrophy observed in patients suffering from bladder-outlet obstruction.
Product Categories/Family for anti-EDNRA antibody	Family: GPCR; Subfamily: Endothelin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503465
NCBI GeneID	1909
NCBI Accession #	NP_001948.1
NCBI GenBank Nucleotide #	NM_001957.3
UniProt Accession #	P25101; O43441; Q16432; Q16433; Q8TBH2; B2R723; B4E2V6; B7Z9G6; D3DP03; E7ER36; AAB24923
NCBI Official Full Name	endothelin-1 receptor isoform a
NCBI Official Synonym Full Names	endothelin receptor type A
NCBI Official Symbol	EDNRA
NCBI Official Synonym Symbols	ETA; ET-A; ETAR; ETRA; ETA-R; hET-AR
NCBI Protein Information	endothelin-1 receptor; G protein-coupled receptor; endothelin receptor subtype A; endothelin-1-specific receptor
UniProt Protein Name	Endothelin-1 receptor
UniProt Gene Name	EDNRA
UniProt Synonym Gene Names	ETA; ETRA; ET-A; ETA-R; hET-AR
UniProt Entry Name	EDNRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ednra-endothelin-a-receptor-antibody-immunohistochemistry-elisa/51173>