



## Rabbit Anti-EDNRA antibody

SL1757R

<b>Product Name:</b>	EDNRA
<b>Chinese Name:</b>	内皮素受体A抗体
<b>Alias:</b>	Endothelin receptor type A; EDNRA; Endothelin 1 receptor precursor; EDNR-A; Endothelin A receptor; Endothelin receptor type A; ET A; ETA; ET-A; ETA-R; ETA R; ETRA; hET AR; Ednra; EDNRA_HUMAN; Endothelin 1 specific receptor; Endothelin ET A receptor; Endothelin receptor ET1 specific type; Endothelin-1 receptor.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	47kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human EDNRA:321-427/427
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium second messenger system. Polymorphisms in this gene have been linked to migraine headache

resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

**Function:**

Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3.

**Subunit:**

Interacts with HDAC7 and KAT5.

**Subcellular Location:**

Cell membrane; Multi-pass membrane protein.

**Tissue Specificity:**

Isoform 1, isoform 3 and isoform 4 are expressed in a variety of tissues, with highest levels in the aorta and cerebellum, followed by lung, atrium and cerebral cortex, lower levels in the placenta, kidney, adrenal gland, duodenum, colon, ventricle and liver but no expression in umbilical vein endothelial cells. Within the placenta, isoform 1, isoform 2, isoform 3 and isoform 4 are expressed in the villi and stem villi vessels.

**Similarity:**

Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily.

**SWISS:**

P25101

**Gene ID:**

1909

**Database links:**

[Entrez Gene: 281749](#)Cow

[Entrez Gene: 450187](#)Dog

[Entrez Gene: 1909](#)Human

[Entrez Gene: 13617](#)Mouse

[Entrez Gene: 397457](#)Pig

[Entrez Gene: 24326](#)Rat

[GenBank: NM\\_001957](#)Human

[GenBank: NM\\_174308](#)Human

[GenBank: NM\\_012550](#)Rat

[Omim: 131243](#)Human

[SwissProt: P21450](#)Cow

[SwissProt: Q5KSU9](#)Dog

[SwissProt: P25101](#)Human

[SwissProt: Q61614](#)Mouse

[SwissProt: Q29010](#)Pig

[SwissProt: P26684](#)Rat

[Unigene: 183713](#)Human

[Unigene: 283168](#)Mouse

[Unigene: 392296](#)Mouse

[Unigene: 10915](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.