

EDNRA Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6507C

Product Information

Application WB, IF, FC, E **Primary Accession** P25101

Other Accession P26684, Q61614

Reactivity Human **Predicted** Mouse, Rat Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB19282 **Calculated MW** 48722 125-154 **Antigen Region**

Additional Information

Gene ID 1909

Other Names Endothelin-1 receptor, Endothelin A receptor, ET-A, ETA-R, hET-AR, EDNRA,

ETA, ETRA

Target/Specificity This EDNRA antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 125-154 amino acids from the Central

region of human EDNRA.

Dilution WB~~1:1000 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions EDNRA Antibody (Center) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name EDNRA (<u>HGNC:3179</u>)

Synonyms ETA, ETRA

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.

Cellular Location Cell membrane; Multi-pass membrane protein.

Tissue Location 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.

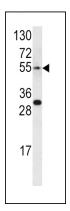
Background

EDNRA is a receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

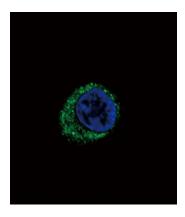
References

Cardillo, C., Arthritis Rheum. 60 (6), 1840-1844 (2009) Hayzer, D.J., Am. J. Med. Sci. 304 (4), 231-238 (1992)

Images

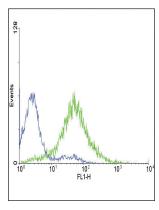


Western blot analysis of EDNRA antibody (Center) (Cat.# AP6507c) in CEM cell line lysates (35ug/lane). EDNRA (arrow) was detected using the purified Pab.



Confocal immunofluorescent analysis of EDNRA Antibody (Center)(Cat#AP6507c) with HepG2 cell followed by Alexa Fluor搴?488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

Flow cytometric analysis of CEM cells using EDNRA Antibody (Center) (green histogram) compared to a negative control cell (blue histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.