

Rabbit anti Corin (IN) Polyclonal Antibody

Alternative Name(s): Pro-ANP-converting enzyme (Corin), LRP4; CRN;

Order Information

Description: Corin (IN)
Catalogue: 602-650
Lot: See label
Size: 100ug/200ul
Host: Rabbit
Clone: nan

Application: IHC(P), WB
Reactivity: Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide sequence derived from 300aa-450aa of mouse corin protein.

BACKGROUND

Corin, is a glycosylated protease on the cell surface as a single pass type II membrane protein. It is located on trial and brain natriurectic peptides (ANP and NNP) expressing cell surfaces. It may occur in both zymogen and catlytically active forms. The multi-domain transmembrane serine protease corin cleaves pro-atrial natriuretic peptide (pro-ANP) in vitro to generate an active hormone, ANP at R123-S124. Corin is higher expressed on cardiomyocytes. It may also contribute to the regulation of the natriuretic peptide system in vivo, and might be an attractive target for treatment of cardiovascular diseases.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~120 kDa of mouse Corin. It does not reacts with rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

• Western Blot: 0.1-1 µg/ml

• ELISA: 0.01-0.1 μg/ml

• Immunoprecipitation: 2-5 µg/ml

• IHC: 2-10 µg/ml

• Flow cytometry: Not tested

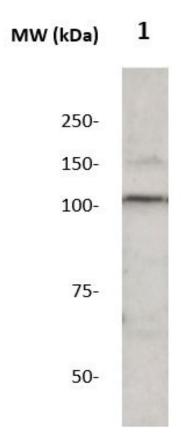
• Molecular Weight: 100.0

Positive Control: Kidney Tissue

• Cellular Location: Cell Membrane

^{*}Optimal dilutions should be determined by researchers for the specific applications.





Western Blot: The whole cell lysates derived from mouse heart was immunoprobed by Rabbit anti-Corin (IN) (Cat#602-650) at 1:500. An immunoreactive band is observed around ~100kDa.

REFERENCES