

UCN2 polyclonal antibody

Catalog: BS8256

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Two major regulatory peptides were originally isolated from fish urophysial extracts, Urotensin I and II. In both frog and human, the Urotensin II sequence is located at the carboxy-terminal position of the precursor. Human Urotensin II is composed of only 11 amino acid residues, while fish and frog Urotensin II possess 12 and 13 amino acid residues, respectively. The cyclic region of Urotensin II, which is responsible for the biological activity of the peptide, has been fully conserved from fish to human. However, several substitutions have occurred in the amino-terminal region of the molecule. A human G protein-coupled receptor, GPR14, is the Urotensin II receptor. Human Urotensin II is found within both vascular and cardiac tissue, including coronary atheroma, and effectively constricts isolated arteries from nonhuman primates. Urotensin II may act as an autocrine and/or paracrine hormone rather than as a circulating hormone, by playing an important role in the development of ventricular hypertrophy induced by chronic hypoxia.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 12 kDa

Swiss-Prot:

Q96RP3

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:2000

IHC/IF: 1:50~1:200

Storage&Stability:

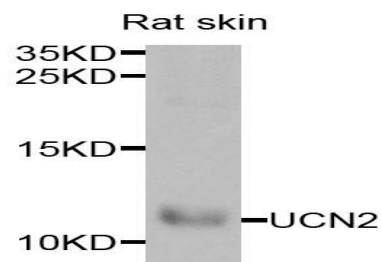
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

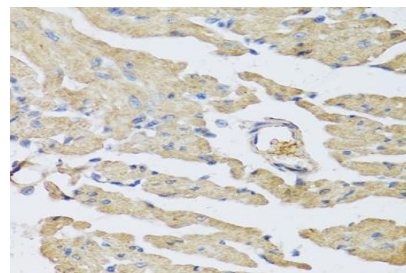
Specificity:

UCN2 polyclonal antibody detects endogenous levels of UCN2 protein.

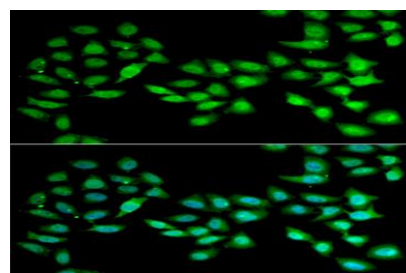
DATA:



Western blot analysis of extracts of rat skin cells, using UCN2 antibody.



Immunohistochemistry of paraffin-embedded mouse heart using UCN2 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cell using UCN2 antibody. Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.

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Add: 1660 South Highway 100, Suite 500 St. Louis Park,
MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

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