SunLong Biotech Co.,LTD
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# Mouse Anti-Natriuretic Peptide Receptor C antibody

SLM-51637M

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|---|---|
| **Product Name** | Natriuretic Peptide Receptor C |
| **Chinese Name** | 利钠肽受体 C 单克隆抗体 |
| **Alias** | ANP C; ANPC; ANPRC; Atrial natriuretic peptide C type receptor; Atrionatriuretic peptide receptor C; Natriuretic peptide receptor C/guanylate cyclase C; NPR 3; NPR C; NPR3; NPRC; ANPRC_HUMAN. |
| **Research Area** | Cardiovascular Signal transduction The cell membrane 蛋白 |
| **Immunogen Species** | Mouse |
| **Clonality** | Monoclonal |
| **Clone NO.** | L07F1 |
| **React Species** | Human, |
| **Applications** | WB=1:500-2000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Theoretical molecular weight** | 57kDa |
| **Cellular localization** | The cell membrane |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human Natriuretic Peptide Receptor C: 201-400/541 |
| **Lsotype** | IgG1,k |
| **Purification** | affinity purified by Protein G |
| **Buffer Solution** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| **Storage** | Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Attention** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

**PubMed**

PubMed

Natriuretic peptide receptor C does not exhibit guanylate cyclase activity. There seem to be at least three ANP receptors: two with guanylate cyclase activity (ANPA and ANPB) and one (ANPC) which is probably responsible for the clearance of ANP from the circulation without a role in signal transduction.

**Function:**
Receptor for the natriuretic peptide hormones, binding with similar affinities atrial natriuretic peptide NPPA/ANP, brain natriuretic peptide NPPB/BNP, and C-type natriuretic peptide NPPC/CNP. May function as a clearance receptor for NPPA, NPPB and NPPC, regulating their local concentrations and effects. May regulate diuresis, blood pressure and skeletal development. Does not have guanylate cyclase activity.

**Subunit:**
Homodimer; disulfide-linked. Dimers can also be formed through the C-terminal cysteine of isoform 2.

**Product Detail**

**Subcellular Location:**
Membrane; Single-pass type I membrane protein.

**Similarity:**
Belongs to the ANF receptor family.

**SWISS:**
P17342

**Gene ID:**
4883

**Database links:**

Entrez Gene: 4883 Human

SwissProt: P17342 Human

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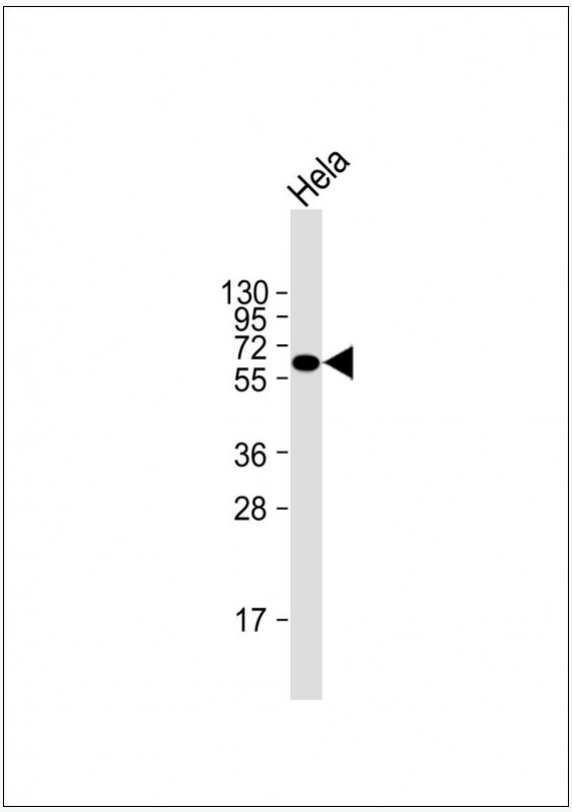
**Product Picture**




Sample:

Lane 1: Hela cell lysates

Primary: Anti-Natriuretic Peptide Receptor C (SLM-51637M) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 62 kD