SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-NPY4R antibody

Catalog Number: SL11522R

FOR RESEARCH USE ONLY

[DATASHEET]

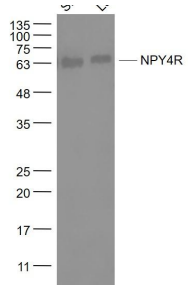
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	NPY4R
Immunogen:	KLH conjugated synthetic peptide derived from human NPY4R: 151-250/375 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse (predicted:Human,Rabbit)
Predicted MW.:	42kDa
Subcellular Location:	The cell membrane
Background:	Pancreatic polypeptide (PP), neuropeptide Y (NPY), and peptide YY (PYY) are related 36-amino acid hormones. A number of structurally related receptors for these peptides have been isolated, NPY1-R, NPY2-R, NPY3-R, NPY4-R, NPY5-R, and NPY6-R. NPY4-R is expressed in several human tissues, including brain, coronary artery, and ileum. NPY4-R maps to human chromosome 10q11.2. NPY-5R, isolated from rat hypothalamus, encodes a 456-amino acid protein with less than 35% overall identity to known Y-type receptors. The human NPY5-R sequence is nearly identical to, but in the opposite orientation from, that of the human NPY1-R sequence. NPY5-R localizes to the paraventricular hypothalamic nucleus, the lateral hypothalamus, and other locations consistent with a role in the control of feeding behavior. The gene which encodes NPY5-R maps to human

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	chromosome 4q32.2. NPY6-R is abundantly expressed in human heart and skeletal muscle and the gene which encodes NPY6-R maps to human chromosome 5q31. **Function:** NPY4R has been reported to be expressed in bladder, brain, colon, endometrium, heart, lung, nasal mucosa, penis, prostate, skeletal muscle, small intestine, stomach, and vessel. ESTs have been isolated from human colon and head/neck libraries. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Highest levels found in brain, coronary artery and ileum. Low levels in pancreas and kidney. Detected in colon and small intestine. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 505889 Cow **Entrez Gene:** 101141797 Gorilla **Entrez Gene:** 100052105 Horse **Entrez Gene:** 100996758 Human **Entrez Gene:** 5540 Human **Entrez Gene:** 397475 Pig Omim: 601790 Human **SwissProt:** P50391 Human **Unigene:** 524719 Human

[VALIDATION IMAGES]



Sample:
Small intestine (Mouse) Lysate at 40 ug
Large intestine (Mouse) Lysate at 40 ug
Primary: Anti- NPY4R (SL11522R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 42 kD
Observed band size: 62 kD

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