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

[Primary Antibody]

Rabbit Anti-QRFP antibody

Catalog Number: SL11534R

FOR RESEARCH USE ONLY

[DATASHEET]

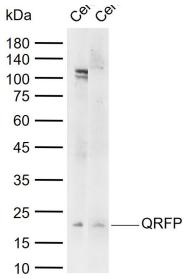
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	QRFP
Immunogen:	KLH conjugated synthetic peptide derived from human QRFP: 91-133/136
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store 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, Rat, (predicted: Human, Pig, Cow, Horse, Sheep)
Predicted MW.:	5kDa
Subcellular Location:	Secretory protein
Background:	QRFP is a 136 amino acid secreted protein that is widely expressed in the brain with highest expression levels in the cerebellum, medulla, pituitary, retina, vestibular nucleus and white matter. Also expressed in the bladder, colon, coronary artery, parathyroid gland, prostate, testis and thyroid, QRFP is a member of the RFamide neuropeptide family. QRFP may be involved in aldosterone secretion by the adrenal gland and is also implicated in stimulating metabolic rate, locomotor activity and increasing blood pressure. Considered a ligand for the G-protein coupled receptor GPR103, QRFP may have orexigenic activity, thereby acting as an appetite stimulant. The gene encoding QFRP is located on human chromosome 9, which consists of about 145 million bases, comprises roughly 4% of the human genome and encodes nearly 900 genes. **Function:** Stimulates feeding behavior, metabolic rate and locomotor activity and increases blood pressure. May have orexigenic activity. May promote aldosterone secretion by the adrenal gland.

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

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	Subunit: Ligand for the G-protein coupled receptor QRFPR/GPR103 **Subcellular Location:** Secreted. **Tissue Specificity:** Expressed widely in the brain with highest expression levels in the cerebellum, medulla, pituitary, retina, vestibular nucleus, and white matter. Also expressed in the bladder, colon, coronary artery, parathyroid gland, prostate, testis, and thyroid. **Similarity:** Belongs to the RFamide neuropeptide family. **Database links:** **Entrez Gene:** 347148 Human Omim: 609795 Human **SwissProt:** P83859 Human **Unigene:** 660704 Human

[VALIDATION IMAGES]



Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Rat Cerebrum tissue lysates
Primary: Anti-QRFP (SL11534R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 5 kDa
Observed band size: 18 kDa

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