SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CCKAR antibody

Catalog Number: SL11514R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CCKAR
Immunogen:	KLH conjugated synthetic peptide derived from human CCKAR: 161-200/428 <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°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Sheep,Goat)
Predicted MW.:	48kDa
Subcellular Location:	The cell membrane
Background:	The cholecystokinin (CCK) family of peptide hormones have been implicated in numerous important physiologic events. These appear to be mediated through 2 general classes of receptors, A (CCKAR)and B (CCKBR), based on their binding affinities for CCK/gastrin family peptides. Through binding to class A receptors, CCK is a major physiologic mediator of gallbladder contraction and pancreatic enzyme secretion. It appears to play a role in slowing gastric emptying, relaxation of the sphincter of Oddi, and potentiation of insulin secretion. Further, it has been implicated as a mediator of pancreatic growth and tumorigenesis. Class A receptors have also been described in the anterior pituitary, myenteric plexus, and regions of the central nervous system, where they have been implicated in the pathogenesis of feeding disorders, Parkinson disease, schizophrenia, and drug addiction. **Function:** Receptor for cholecystokinin. Mediates pancreatic growth and

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	enzyme secretion, smooth muscle contraction of the gall bladder and stomach. Has a 1000-fold higher affinity for CCK rather than for gastrin. It modulates feeding and dopamine-induced behavior in the central and peripheral nervous system. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 886 Human **Entrez Gene:** 12425 Mouse **Entrez Gene:** 24889 Rat Omim: 118444 Human **SwissProt:** P32238 Human **SwissProt:** O08786 Mouse **SwissProt:** P30551 Rat **Unigene:** 129 Human **Unigene:** 3521 Mouse **Unigene:** 10184 Rat

[VALIDATION IMAGES]

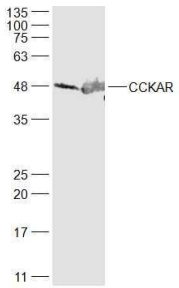


Figure 1. Sample: Pancreas (Mouse) Lysate at 40 ug Pancreas(Rat) Lysate at 40 ug Primary: Anti-CCKAR (SL11514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD

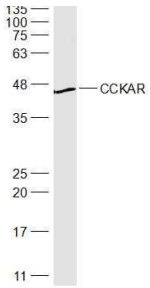


Figure 2. Sample: HUVEC(Human) Cell Lysate at 30 ug Primary: Anti-CCKAR (SL11514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD

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