bs-11514R **[Primary Antibody]**

CCKAR Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 886 **SWISS:** P32238

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.

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.

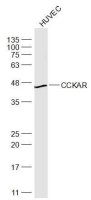
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, Horse, Goat)

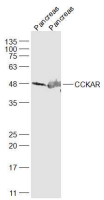
Predicted MW.: 48 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: HUVEC(Human) Cell Lysate at 30 ug Primary: Anti-CCKAR (bs-11514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Sample: Pancreas (Mouse) Lysate at 40 ug Pancreas(Rat) Lysate at 40 ug Primary: Anti-CCKAR (bs-11514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD

SELECTED CITATIONS

- **[IF=11.685]** Kristine Elisabeth Eberhard. et al. Neurotransmitter and Neurotransmitter Receptor Expression in the Saccule of the Human Vestibular System. Prog Neurobiol. 2022 Jan;:102238 IHC ;Human. 35104536
- **[IF=12.4]** Seok TingLim. et al.LRG1 inhibition promotes acute pancreatitis recovery by inducing cholecystokinin Type 1 receptor expression via Akt.Theranostics. Western blot ;Mouse. 10.7150/thno.110116
- **[IF=5.383]** Ting Xiang. et al. Spinal CCK1 receptors contribute to somatic pain hypersensitivity induced by malocclusion via a reciprocal neuron-glial signaling cascade. J PAIN. 2022 Jun;: WB ;Rat. 35691467
- **[IF=4.6]** Jia-Heng Li. et al. Chronic stress induces wide-spread hyperalgesia: The involvement of spinal CCK1 receptors.

NEUROPHARMACOLOGY. 2024 Nov;258:110067 WB ;Mouse. 38992792

- **[IF=4.432]** Lu-Lu Duan. et al. Spinal CCK contributes to somatic hyperalgesia induced by orofacial inflammation combined with stress in adult female rats. Eur J Pharmacol. 2021 Dec;913:174619 WB ;Rat. 34748768