



Rabbit Anti-CCKBR antibody

SL1777R

Product Name:	CCKBR
Chinese Name:	促胃泌素受体抗体
Alias:	Gastrin receptor; GASR; CCK B; CCK B receptor; CCK BR; CCK-B receptor; CCK-BR; CCK2 R; CCK2 receptor; CCK2-R; CCKB; CCKB receptor; CCKBR; CCKR Type B; CCKRB; Cholecystokinin 2 receptor; Cholecystokinin B receptor; Cholecystokinin-2 receptor; Cholecystokinin2 receptor; CholecystokininB receptor; GASR; GASR_HUMAN; Gastrin receptor; Gastrin/cholecystokinin type B receptor; Gastrin\cholecystokinin brain receptor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Gastrin receptor:301-400/447<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Receptor for gastrin and cholecystokinin. The CKK-B receptors occur throughout the

central nervous system where they modulate anxiety, analgesia, arousal, and neuroleptic activity. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Isoform 2 is constitutively activated and may regulate cancer cell proliferation via a gastrin-independent mechanism.

Function:

Receptor for gastrin and cholecystikin. The CKK-B receptors occur throughout the central nervous system where they modulate anxiety, analgesia, arousal, and neuroleptic activity. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Isoform 2 is constitutively activated and may regulate cancer cell proliferation via a gastrin-independent mechanism.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Isoform 1 is expressed in brain, pancreas, stomach, the colon cancer cell line LoVo and the T-lymphoblastoma Jurkat, but not in heart, placenta, liver, lung, skeletal muscle, kidney or the stomach cancer cell line AGS. Expressed at high levels in the small cell lung cancer cell line NCI-H510, at lower levels in NCI-H345, NCI-H69 and GLC-28 cell lines, not expressed in GLC-19 cell line. Within the stomach, expressed at high levels in the mucosa of the gastric fundus and at low levels in the antrum and duodenum. Isoform 2 is present in pancreatic cancer cells and colorectal cancer cells, but not in normal pancreas or colonic mucosa. Isoform 3 is expressed in brain, pancreas, stomach, the stomach cancer cell line AGS and the colon cancer cell line LoVo.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

P32239

Gene ID:

887

Database links:

[Entrez Gene: 281665](#)Cow

[Entrez Gene: 887](#)Human

[Entrez Gene: 12426](#)Mouse

[Entrez Gene: 25706](#)Rat

[Omim: 118445](#)Human

[SwissProt: P79266](#)Cow

[SwissProt: P32239](#)Human

[SwissProt: P56481](#)Mouse

[SwissProt: P30553](#)Rat

[Unigene: 203](#)Human

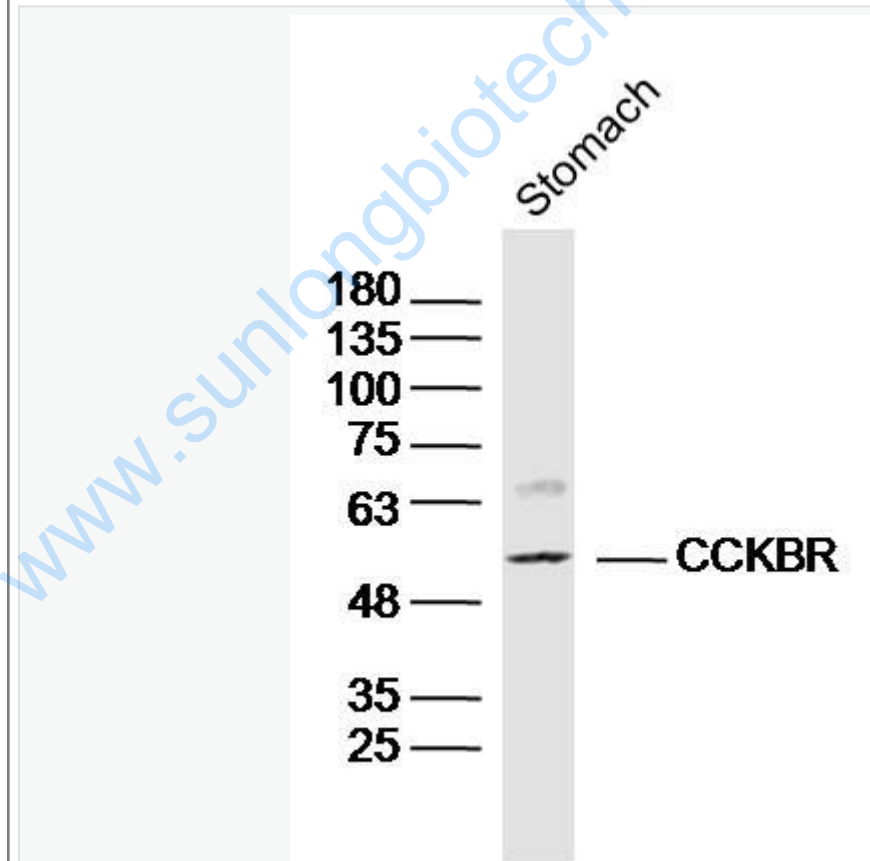
[Unigene: 44513](#)Mouse

[Unigene: 90997](#)Rat

Important Note:

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

Picture:



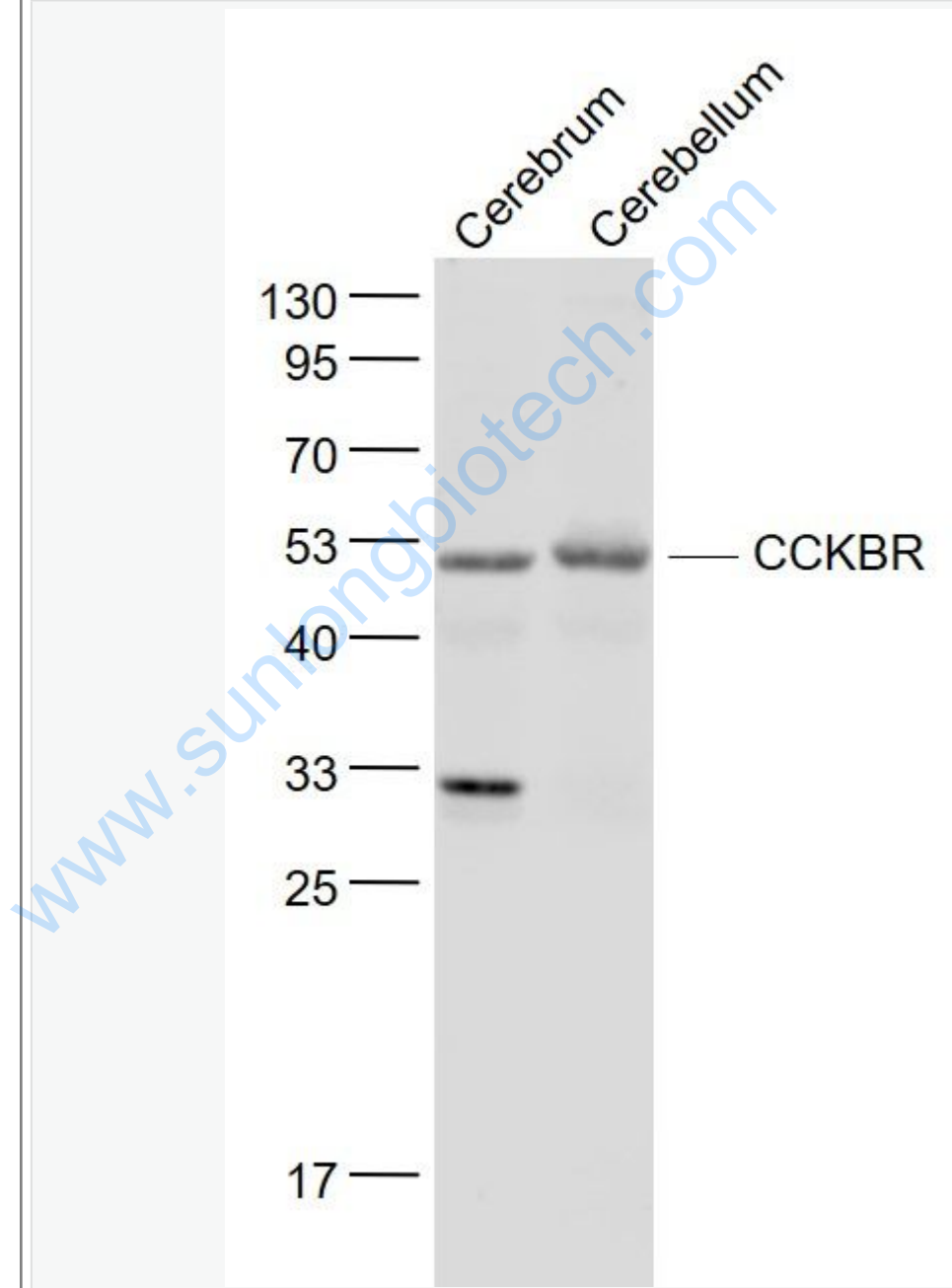
Sample: Stomach(Mouse) Lysate at 40 ug

Primary: Anti- CCKBR? (SL1777R) at 1/300 dilution

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

Predicted band size: 48 kD

Observed band size: 53 kD



Sample:

Cerebrum (Mouse) Lysate at 40 ug

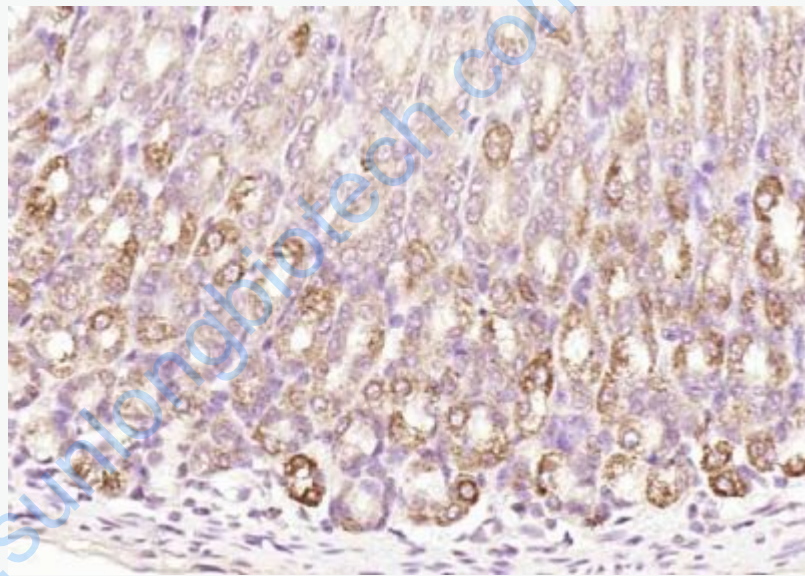
Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti- CCKBR (SL1777R) at 1/1000 dilution

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

Predicted band size: 48 kD

Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CCKBR) Polyclonal Antibody, Unconjugated (SL1777R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.