SunLong Biotech Co.,LTD
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Mouse Anti-ADCYAP1 antibody

SLM-51713M

Product Name	ADCYAP1
Chinese Name	ADCYAP1 单克隆抗体
Alias	Adenylate Cyclase Activating Polypeptide 1 (Pituitary); Prepro-PACAP; PACAP; Pituitary Adenylate Cyclase Activating Polypeptide; PRP-48; PACAP27; PACAP38; ADCYAP1; PACA_HUMAN;
Research Area	Cell biology Neurobiology Apoptosis
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	G8R3
React Species	Human
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	19kDa
Cellular localization	Extracellular matrix Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant human ADCYAP1
Lsotype	IgG1,κ
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	This gene encodes a secreted proprotein that is further processed into multiple mature peptides. These peptides stimulate adenylate cyclase and increase

cyclic adenosine monophosphate (cAMP) levels, resulting in the transcriptional activation of target genes. The products of this gene are key mediators of neuroendocrine stress responses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]

Function:
Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway. In chromaffin cells, induces long-lasting increase of intracellular calcium concentrations and neuroendocrine secretion. Involved in the control of glucose homeostasis, induces insulin secretion by pancreatic beta cells.

Subunit:
Interacts with ADCYAP1R1 (via N-terminal extracellular domain).

Subcellular Location:
Extracellular region or secreted

Similarity:
Belongs to the glucagon family.

SWISS:
P18509

Gene ID:
116

Database links:

Entrez Gene: 116 Human

SwissProt: P18509 Human

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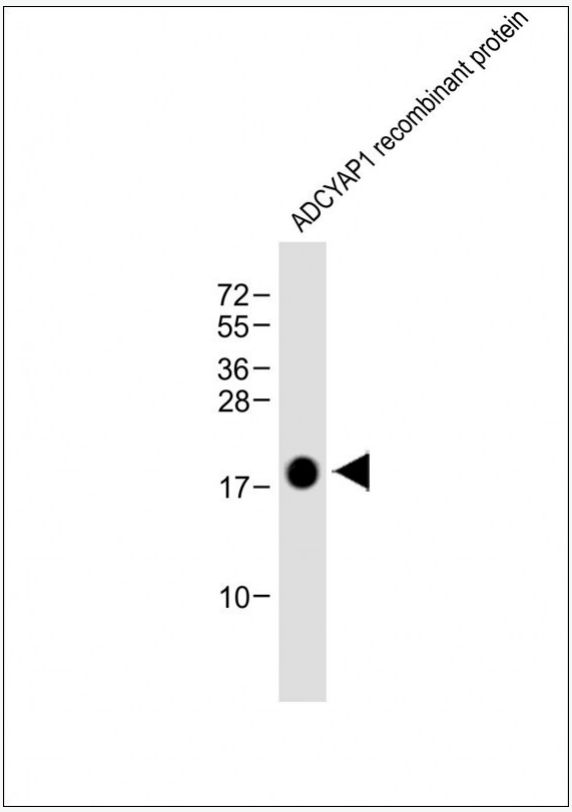
Product Picture



Sample:

Lane 1: ADCYAP1 recombinant protein

Primary: Anti-ADCYAP1 (SLM-51713M) at 1/8000 dilution

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

Predicted band size: 19 kD

Observed band size: 19 kD