



Rabbit Anti-Exendin 4 antibody

SL4121R

Product Name:	Exendin 4
Chinese Name:	GLP1类似蛋白Exendin4抗体
Alias:	Exendin 4; Exendin4; Exendin-4; EXE4 HELSU .
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Gila monster lizard
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:	4.3kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Gila monster lizard Exendin 4:1-39/39
Isotype:	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:	<p>Exendin 4 is a 39 amino acid peptide found in venom from the Gila monster <i>Helicoderma suspectum</i>. It is a member of the glucagon secretin family of peptide hormones and neuropeptides. Exendin 4 is a potent agonist of the GLP1 receptor and hence a potent stimulator of insulin secretion.</p> <p>Function: Venom protein that mimics the incretin hormone glucagon-like peptide 1 (GLP-1). It stimulates insulin synthesis and secretion, protects against beta-cell apoptosis in</p>

response to different insults, and promotes beta-cell proliferation. It also promotes satiety, reduces food intake, reduces fat deposition, reduces body weight and inhibits gastric emptying. Interacts with GLP-1 receptor (GLP1R). Induces hypotension that is mediated by relaxation of cardiac smooth muscle.

Subcellular Location:

Secreted.

Tissue Specificity:

Expressed by the venom gland.

Similarity:

Belongs to the glucagon family.

SWISS:

N/A

Gene ID:

N/A

Database links:

Important Note:

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

Exendin-

4是从希拉毒蜥唾液中分离的一种多肽激素,由39个氨基酸残基组成,与胰高血糖素样肽1(GLP-1)有53%的同源性。Exendin-

4具有高度的组织特异性,仅在希拉毒蜥的唾液腺中表达,

具有促进葡萄糖依赖性的胰岛素分泌、促进β细胞增殖、减慢胃排空、抑制食物摄取和减轻体重等作用。

肠促胰岛素类似物(exendin-4, Ex-

4)是从美洲一种毒蜥的唾液中分泌的胰升糖素样肽-1 (glucagon-like peptide-1, GLP-

1)类似物,它具有促进胰腺胰岛素的分泌、增加胰岛素敏感性及改善胰岛细胞功能的作用,且不被二肽基肽酶IV (DPP-

IV)分解,血浆半衰期较长,因而在人类,对Diabetes治疗应用来说是稳定、长效的有治疗前景的药物。

钝尾毒蜥 (Gila monster)