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Rabbit Anti-Clenbuterol antibody

SL4532R

Product Name:	Clenbuterol
Chinese Name:	克仑特罗/瘦肉精抗体
Alias:	1 (4 amino 3 5 dichloro phenyl) 2 (tert butylamino)ethanol; Spiropent; Clenbuterol.
文献引用 PubMed :	**Specific References(2)**|SL4532R has been referenced in 2 publications. **[IF=2.31]**Yao, Manwen, et al. "Spectral surface plasmon resonance imaging for the detection of clenbuterol via three-dimensional immobilization of bio-probes."Analytical Biochemistry (2015).**other;** PubMed:25637304 **[IF=2.60]**Wu, Yichuan, et al. "Clenbuterol Assay by Spectral Imaging Surface Plasmon Resonance Biosensor System." Applied Biochemistry and Biotechnology(2015): 1-11.**other;** PubMed:26319570
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Clenbuterol
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	0.31365kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	Clenbuterol conjugated to KLH:
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:	Clenbuterol belongs to the group of agonists. In livestock production clenbuterol improves the meat/fat ratio in fattened animals or accelerate the growth. Up to now agonists have not been authorized as adjuvants for fattening. In addition to its lipolytic and anabolic effect, clenbuterol has a relaxing effect on non-striated musculature on which is based its therapeutic use as an antiasthmatic and a tocolytic agent. When employed as a fattening adjuvant, as compared with the therapeutic use, clenbuterol is administered in a 5 to 10 times higher dose. Therefore, it is possible that clenbuterol residues may lead to a risk for consumers after illegal administration.Using the clenbuterol monocalantibody, it is possible to detect clenbuterol and other agonists in urine, muscle and liver both rapidly and with accuracy. Clenbuterol is a long acting beta 2 adrenergic agonist. Like other beta 2 agonists, clenbuterol is believed to act by stimulating production of cyclic AMP through the activation of adenyl cyclase. By definition, Beta 2 agonists have more smooth muscle relaxation activity (bronchial, vascular and uterine smooth muscle) versus its cardiac effects (Beta 1). **SWISS:** N/A **CAS:** 21898-19-1 **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. 盐酸克仑特罗（俗称瘦肉精，盐酸双氯醇胺，氨哮素，克喘素，氨双氯喘）为一种人工合成的β肾上腺素兴奋剂，具有扩张支气管的作用，常用来防治哮喘、肺气肿等肺部疾病。当其应用剂量达到治疗量的5~10倍时，具有能量重分配作用，可使肌肉合成增加，脂肪沉积减少，因此俗称为"瘦肉精"。在畜牧业生产中一些非法使用者将其作为一种生长促进剂添加到动物饲料中，用以改善胴体的品质，同时也造成食品中盐酸克仑特罗（瘦肉精）的残留。当人们食用盐酸克仑特罗残留的产品后会出现一系列的中毒症状。我国禁止在畜牧业中使用盐酸克仑特罗。