

Polyclonal Antibody to Octopamine - Serum

Catalog No.:	BP164
Quantity:	1 ml
Concentration:	0.94 mg/ml
Background:	Octopamine is the insect equivalent of adrenalin (Epinephrine). Mammals only have low levels of Octopamine in their nervous system. It differs by only one hydroxyl group from adrenalin. In insects, Octopamine controls survival mechanisms and regulates many other behaviour patterns. Remove Octopamine and you get very confused insects. Octopamine is involved in the transmission of nerve signals across the synapses. Blockers of Octopamine receptors have been targeted as potential pesticides with minimal impact on mammals.
Host:	Rabbit
Immunogen:	C.BSA conjugate
Format:	State: Liquid Ig fraction Purification: Ammonium Sulphate fractionation Buffer System: PBS, pH 7.2, 0.09 % Sodium Azide
Applications:	ELISA (1:600 - 1/1200). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Octopamine. Octopamine 100% Tyramine 20% Epinephrine 0.15% Norpinephrine 0.7% w/w in ELISA with 100 ng hap-KLH coated per well, antibody at 1/1200 antigen at 10 µg/ml.
Add. Information:	'Free' hapten displaces in the range 0.1 to 1000 µg/ml.
Storage:	Store the antibody at -20 °C. Ship at 2 - 8 °C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.