

BP666**Polyclonal Antibody to Ochratoxin A - Purified**

Alternate names:	Aspergillus Ochraceus Ochratoxin A, OA
Quantity:	1 ml
Concentration:	5.0 mg/ml
Background:	<p>Ochratoxin A is a non-ribosomal peptide synthetase; it is a polyketide-derived dihydroiso-coumarin moiety linked through the 12-carboxy group to phenylalanine. Ochratoxin A is the most important and most commonly occurring of a structurally related group of compounds. It is produced by some species of Aspergillus, such as A. ochraceus, mainly in tropical regions, and by Penicillium verrucosum, a common storage fungus in temperate areas such as Canada, eastern and north western Europe and parts of South America.</p> <p>Ochratoxin A is a potent toxin affecting mainly the kidneys, in which it can cause both acute and chronic lesions, whereas its dechloro derivative, ochratoxin B, is non-toxic. A nephrotoxic effect has been demonstrated in all mammalian species.</p>
Host:	Rabbit
Immunogen:	Ochratoxin A from Aspergillus ochraceus conjugated to BSA.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific to Ochratoxin A. Cross-reactivity: Ochratoxin A: 100% Ochratoxin B: ~1% BSA (absorbed): < 0.1%
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bonel, L. et al. (2010) Ochratoxin A nanostructured electrochemical immunosensors based on polyclonal antibodies and gold nanoparticles coupled to the antigen. Analytical Methods. 2 (4): 335.