

BP204**Polyclonal Antibody to Acetaminophen - Serum**

Alternate names:	Paracetamol
Quantity:	0.5 ml
Background:	Acetaminophen is an aspirin substitute. Like aspirin, acetaminophen works as a pain killer and fever reducer, but it does not have anti-inflammatory properties and does not produce the side effects associated with aspirin, such as stomach irritation.
Host:	Sheep
Immunogen:	P-Aminophenol Hemisuccinide conjugated to KLH
Format:	State: Liquid Serum Preservatives: 0.09% Sodium Azide
Applications:	Polarisation Fluoroimmunoassy (final dilution of 1/51,000 using fluorescein labelled paracetamol). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Acetaminophen, a commonly used analgesic and antipyretic. Sheep anti acetaminophen antibody is suitable for use in polarisation fluoroimmunoassays (Coxon et al. 1988). Species: Chemical. Other species not tested.
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. Gallacher G, Coxon R, Landon J, Rae CJ, Abukinesha R. Design of the immunogen and label for use in a fluoroimmunoassay for paracetamol. <i>Ann Clin Biochem.</i> 1988 Jan;25 (Pt 1):42-8. PubMed PMID: 3355088. 2. Coxon RE, Gallacher G, Landon J, Rae C. Development of a specific polarisation fluoroimmunoassay for paracetamol in serum. <i>Ann Clin Biochem.</i> 1988 Jan;25 (Pt 1):49-52. PubMed PMID: 3355089. 3. Scheiermann, P. et al. (2013) Application of Interleukin-22 Mediates Protection in Experimental Acetaminophen-Induced Acute Liver Injury. <i>Am J Pathol.</i> pii: S0002-9440(13)00019-9. 4. Cernat, A. et al. (2015) Nanostructured Platform Based on Graphene-Polypyrrole Composite for Immunosensor Fabrication <i>Int. J. Electrochem. Sci.</i> , 10 (2015) 4718 - 31