

AP33045PU-N**Polyclonal Antibody to Ibuprofen - Purified**

Quantity:	0.5 ml
Concentration:	0.8 mg/ml
Background:	Ibuprofen is an anti-inflammatory drug used for pain relief, fever reduction and against swelling. It is one of the most sold over-the-counter drugs. It is found in the environment, especially in the water environment in the neighbourhood of large cities and hospitals.
Host / Isotype:	Rabbit / IgG
Immunogen:	BSA-Ibuprofen derivative conjugate
Format:	State: Liquid purified IgG fraction Purification: Caprylic Acid Extraction
Applications:	ELISA: Dilution of 1/300 from the delivered solution (The titer is defined as the dilution that gives 50% of the absorbance from the maximum absorbance when tested with ELISA). <i>Suggested concentration:</i> 1/300 from the delivered solution. Plates are coated with 400 ng/ml OVA-derivative. HRP-conjugated anti-Rabbit IgG as a tracer 1/8,000. Immunoaffinity Chromatography. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Target: Ibuprofen, <i>CAS no.:</i> 15687-27-1, Solubility: Organic solvents, PEGs. This antibody is highly specific for Ibuprofen. <i>Cross Reactivity</i> Ibuprofen: 100%. Bezafibrate: 0.4%. Gemfibrozil: 0.2%. Bisphenol A: 0.6%. Carazolol: > 0.1%. Metoprolol: 0.1%. Chlorpyrifos: 0.3%. Naproxen: 2.2%. Clofibrinic acid: 0.3%. Nonylphenol: 1.3%. Diclofenac: > 0.1%. Octylphenol: 0.6%. Erythromycine: 0.1%. Propranolol: 0.1%. Fenitrothion: 0.5%. Vinclozolin: > 0.1%. Fenofibrate: 0.5%. Zearalenon: 0.2%.

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. J.G.M. Derksen, G.M. van Eijnatten, J Lahr, P. van der Linde and A.G.M. Kroon - Environmental Effects of Human Pharmaceuticals, p 225, RIWA Report 2000.051, Leleystad, The Netherlands.
2. Eline P. Meulenber, Gijsbert O.H. Peelen, Eddie Lukkien and Kees Koopal – Immunochemical detection methods for bioactive pollutants – Intern. J. Environ. Anal. Chem. Vol. 85, No. 12-13, 15 October-15 November 2005, 861-870