

AP33036PU-N**Polyclonal Antibody to Naproxen - Purified**

Quantity:	0.5 ml
Concentration:	0.8 mg/ml
Background:	Naproxen is a non-steroidal anti-inflammatory drug (NSAID) used for pain relief, fever reduction and against swelling. Apparently, it also has some anti-viral activity. It belongs to 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-Naproxen derivate Conjugate. Chicken egg yolk, purified by PEG extraction.
Format:	State: Liquid purified IgG fraction Purification: Caprylic Acid Extraction Stabilizers: None
Applications:	ELISA: Dilution of 1/300 from the delivered immune serum (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 Immunogen BSA-Derivative conjugate Immunoaffinity Chromatography: Antibody can be coupled to solid support materials. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Naproxen Target: Naproxen, CAS no.: 22204-5-1, Solubility: Organic solvents, PEGs. Compound tested (% Cross Reactivity): Naproxen (100%), Bezafibrate (5%), Gemfibrozil (8%), Bisphenol A (5%), Ibuprofen (9%), Clofibrinic acid (5%), Metoprolol (6%), Diclofenac (4%), Erythromycine (3%), Octylphenol (10%), Fenofibrate (6%), Propanolol (6%).
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Add 0.02% Sodium Azide for long storage. 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. Meulenberg, 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.