

AP33044PU-N**Polyclonal Antibody to Clofibrate - Purified**

Quantity:	0.5 ml
Concentration:	0.8 mg/ml
Background:	Clofibrate is a drug used for the treatment of cardiovascular diseases as a lipid-lowering agent. It is found in the water environment in relatively high concentrations, especially in the neighbourhood of large cities and hospitals. It is rapidly degraded to clofibrinic acid.
Host / Isotype:	Rabbit / IgG
Immunogen:	BSA-clofibrinic acid conjugate
Format:	State: Liquid purified IgG fraction Purification: Caprylic Acid Extraction
Applications:	ELISA: Dilution of 1/15,000 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> 1/15,000 from the delivered solution. Plates are coated with 400 ng/ml BSA-conjugated C6-alkylphenol. 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: Clofibrate, <i>CAS no.:</i> 637-07-0, Solubility: Organic solvents This antibody is highly specific for Clofibrate. <i>Cross Reactivity</i> Clofibrate: 100%. 2,4-DB: 18%. Fenitrothion: 13%. Bezafibrate: 11%. Fenofibrate: 6%. Clofibrinic acid: 4%. Chlorpyrifos: 3%. MCPA-Na: 3%. Mecoprop: 2%. 2,4,5-T: 1%. 2,4-D: 1%. 2,4-DP: 1%. Ciprofibrate: 1%. Gemfibrozil: 1%. MCPA: 1%. Pirimifos-ethyl: 1%. Diclofenac: > 0.1%. Erythromycine: > 0.1%. Propranolol: > 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. Halling-Sørensen B, Nors Nielsen S, Lanzky PF, Ingerslev F, Holten Lützhøft HC, Jørgensen SE. Occurrence, fate and effects of pharmaceutical substances in the environment--a review. Chemosphere. 1998 Jan;36(2):357-93. PubMed PMID: 9569937.