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Product datasheet for AP33041SU-N

Bisphenol A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	AP, ELISA
Recommended Dilution:	**ELISA:** Dilution of 1/50,000 from the delivered immune serum. Plates are coated with 400 ng/ml OVA-Bisphenol Valeric Acid (BVA). HRP-conjugated anti-Rabbit IgG as a tracer 1/8,000. **Immunoaffinity Chromatography.**
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	BSA-Bisphenol Valeric Acid (BVA)
Specificity:	Target: Bisphenol A, *CAS no.*: 80-05-7, Solubility: Acetone, Ethanol, Ether, Benzene. This antibody is highly specific for Bisphenol A. ***Cross Reactivity in a Direct Assay*** ***Molecules containing a phenolic group:***Bisphenol A: 100%, 4,4'-(ethylidene) bisphenol: 10%, Bis-(4-hydroxy phenyl)-methane: 1%, Nonylphenol: 1%, 4-cumylphenol: 20%. ***Molecules lacking a phenolic group:***Vinclozolin: 0.1%, Pirimifos-ethyl: < 0.1%, 17ß-Estradiol: < 0.1%, 2,4 D: 0.1%, Sulfadimidine: < 0.1%. ***Cross Reactivity in an Indirect Assay*** ***Molecules containing a phenolic group:***Bisphenol A: 100%, 4,4'-(ethylidene) bisphenol: 100%, Bis-(4-hydroxy phenyl)-methane: 4-cumylphenol: 100%. ***Molecules lacking a phenolic group:***Vinclozolin: < 0.1%, Pirimifos-ethyl: < 0.1%, 2,4 D: 0.1%, Fenitrothion: < 0.1%, Chlorpyrifos-methyl: < 0.1%, Erythromycine: < 0.1%.
Formulation:	State: Serum State: Liquid Serum
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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Background:

Bisphenol A (BPA) is predominantly used in the production of polycarbonate plastics and epoxy resins that are used in many products. It is released into the environment and food. BPA is an endocrine disruptor with estrogenic and obesogenic properties. It influences reproduction and has an epigenetic effect already in the foetus. Bisphenol A is a known hormone-disrupting agent, commonly used in plastics and diffusing into the environment and food.