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AP09810PU-L Polyclonal Antibody to Salicylic Acid - Ig Fraction

| Alternate names: | 2-Hydroxybenzoic Acid |
|--------------------|--|
| Quantity: | 1 ml |
| Concentration: | 9.45 mg/ml (U.V. abs @ 280nm) |
| Background: | Salicylic acid is a monohydroxybenzoic acid, a type of phenolic acid and a beta hydroxy acid. This colorless crystalline organic acid is widely used in organic synthesis and functions as a plant hormone. It is derived from the metabolism of salicin. In addition to being a compound that is chemically similar to but not identical to the active component of aspirin (acetylsalicylic acid), it is probably best known for its use in anti-acne treatments. The salts and esters of salicylic acid are known as salicylates. |
| Host / Isotype: | Sheep / IgG |
| Immunogen: | Salicylic Acid-BTG |
| Format: | State: Liquid Ig fraction Buffer System: 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 Preservatives: 0.09% Sodium Azide |
| Applications: | ELISA: 5 μg/ml. <u>Sensitivity:</u> 1 μg/ml salicylic acid produces 54% inhibition in a competitive ELISA, employing Salicylic Acid polyclonal antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody recognizes Salicylic Acid. |
| Storage: | Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |
| Product Citations: | Purchased from Acris: 1. Choi HW, Tian M, Manohar M, Harraz MM, Park SW, Schroeder FC, et al. Human GAPDH Is a Target of Aspirin's Primary Metabolite Salicylic Acid and Its Derivatives. PLoS One. 2015 Nov 25;10(11):e0143447. doi: 10.1371/journal.pone.0143447. eCollection 2015. PubMed PMID: 26606248. |
| General Readings: | 1. Retrieved 2008-10-13. 2. S. Hayat, A. Ahmad (2007). Salicylic acid - A Plant Hormone. Springer. ISBN 1402051832. |

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.