

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.

Sensitivity: 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.