

**AP09810PU-N****Polyclonal Antibody to Salicylic Acid - Ig Fraction**

<b>Alternate names:</b>	2-Hydroxybenzoic Acid
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	9.45 mg/ml (U.V. abs @ 280nm)
<b>Background:</b>	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.
<b>Host / Isotype:</b>	Sheep / IgG
<b>Immunogen:</b>	Salicylic Acid-BTG
<b>Format:</b>	<b>State:</b> Liquid Ig fraction <b>Buffer System:</b> 20mM Phosphate, 150mM Sodium Chloride, pH 7.2 <b>Preservatives:</b> 0.09% Sodium Azide
<b>Applications:</b>	<b>ELISA:</b> 5 µg/ml. <b>Sensitivity:</b> 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.
<b>Specificity:</b>	This antibody recognizes Salicylic Acid.
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>Product Citations:</b>	<b>Purchased from Acris:</b> 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.
<b>General Readings:</b>	1. Retrieved 2008-10-13. 2. S. Hayat, A. Ahmad (2007). Salicylic acid - A Plant Hormone. Springer. ISBN 1402051832.