



# Anti-Salmonella Polyclonal antibody (DPAB0221)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Specificity</b>        | Polyvalent for Salmonella "O" & "H" antigens. Immunocaptures Salmonellae. Antiserum is not absorbed for and does react with related Enterobacteriaceae.  |
| <b>Target</b>             | Salmonella   |
| <b>Immunogen</b>          | Mixture of <i>S. enteritidis</i> , <i>S. typhimurium</i> , and <i>S. heidelberg</i>  |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Salmonella   |
| <b>Purification</b>       | Protein A chromatography. Covalently coupled with highly purified preparation of horseradish peroxidase (RZ3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is not present. Estimated molar HRP: IgG subst |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | Suitable for use in immunocytochemistry and ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.           |
| <b>Format</b>             | HRP, Liquid  |
| <b>Concentration</b>      | 1-2mg/ml (OD280nm, E0.1% = 1.4)  |
| <b>Size</b>               | 1 ml   |
| <b>Buffer</b>             | PBS containing 10mg/ml BSA   |

|                     |   |
|---------------------|---|
| <b>Preservative</b> | 0.1% Sodium Azide   |
| <b>Storage</b>      | Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. |

## BACKGROUND

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|---------------------|---|
| <b>Introduction</b> | <p>The genus <i>Salmonella</i> is a member of the family Enterobacteriaceae. The genus is composed of Gram negative bacilli that are facultative and flagellated (motile). Salmonellae possess 3 major surface antigens; the H or flagellar antigen (phase 1 and 2), the O or somatic antigen (part of the LPS moiety) and the Vi or capsular antigen (referred to as K in other Enterobacteriaceae). Salmonellae also possess the LPS endotoxin characteristic of Gram negative bacteria. This LPS is composed of an O polysaccharide (O antigen) an R core and the endotoxic inner Lipid A. Endotoxins evoke fever and can activate complement, kinin and clotting factors.</p> |
| <b>Keywords</b>     | Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; <i>Salmonella</i>   |