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**[ Primary Antibody ]**

# Rabbit Anti-Ribonuclease H antibody

**Catalog Number: SL8670R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Ribonuclease H |
| **Immunogen:** | KLH conjugated synthetic peptide derived from SALEP of Salmonella enteritidis H: 51-155/155 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | ELISA (1:5000-10000)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | (predicted:Mouse,SALEP) |
| **Predicted MW.:** | 17kDa |
| **Subcellular Location:** | cytoplasmic |
| **Background:** | The genus Salmonella 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 antigens; the "H" or flagellar antigen (phase 1 & 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.<br>The commonest Salmonella serotype associated with food borne infections in humans is Salmonella enteriditis and in particular phage type 4 (PT4). Salmonella Enteriditis bacteria may be found in the intestinal tracts of livestock, poultry, dogs, cats and other warm-blooded animals. This strain is only one of about 2,000 kinds of Salmonella bacteria; it is often associated |

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| | with poultry and eggs.<br>**Function:** Endonuclease that specifically degrades the RNA of RNA-DNA hybrids.<br>**Subunit:** Monomer.<br>**Subcellular Location:** Cytoplasm (Potential).<br>**Similarity:** Belongs to the RNase H family.<br>Contains 1 RNase H domain.<br>**Database links:**<br>Salmonella H antigens occur in two forms, called phase 1 and phase 2. Phase 1 has high specificity and is also called the specific phase, denoted by a, b, c, etc.; phase 2 has low specificity and is shared by several Salmonella species, so it is also called the non-specific phase, denoted by 1, 2, 3, etc. Bacteria possessing both phase 1 and phase 2 H antigens are called diphasic bacteria, while those with only one phase are called monophasic bacteria. Each group of Salmonella can be further divided into species or types according to differences in H antigens. H antigens mainly stimulate the body to produce IgG antibodies |

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