

## Rabbit Anti-Sulfadiazine antibody

SL10469R

**Product Name** Sulfadiazine

**Chinese Name** 磺胺嘧啶抗体

**Alias** 4-Amino-N-(2-pyrimidinyl)benzenesulfonamide;N1-(Pyrimidin-2-yl)sulfanilamide;  
2-对氨基苯磺酰胺嘧啶; 磺胺哒嗪; 地亚净;

**Product Type** Small molecule anti

**Research Area** Drugs and Compounds

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Species independent  
ELISA=1:5000-10000

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 0.25kDa

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated Sulfadiazine

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** Species independent1M TBS(pH7.4) with 1% BSA, Species independent3%  
Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product Detail** Sulfadiazine is a sulfonamide antibiotic that blocks the synthesis of dihydrofolic acid by inhibiting the enzyme dihydropteroate synthase. Sulfadiazine is a competitive inhibitor of bacterial para-aminobenzoic acid (PABA), which is required for



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bacterial synthesis of folic acid<sup>1</sup>. It is active against Gram positive bacteria, Gram negative bacteria and Chlamydia. Mode of resistance is via the alteration of dihydropteroate synthase or alternative pathway for folic acid synthesis.

?CAS Number 68-35-9

?Empirical Formula (Hill Notation) C<sub>10</sub>H<sub>10</sub>N<sub>4</sub>O<sub>2</sub>S

?Molecular Weight 250.28

**SWISS:**

N/A

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68-35-9

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MDL: MFCD00006065