

S-100P Polyclonal Antibody

Description

| | |
|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP08079 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human S100P. AA range:26-75 |
| Mol wt | 10400 |
| Species reactivity | Human |
| Clonality | Polyclonal |
| Recommended application | WB, IHC-p, ELISA |
| Concentration | 1 mg/ml |
| Full name | S-100P Antibody |
| Synonyms | S100P; S100E; Protein S100-P; Protein S100-E; S100 calcium-binding protein P |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by S100P (S100 calcium binding protein P) is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, S100P is located at 4p16. This protein, in addition to binding Ca²⁺, also binds Zn²⁺ and Mg²⁺. This protein may play a role in the etiology of prostate cancer.

Recommended Dilution

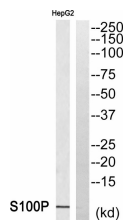
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

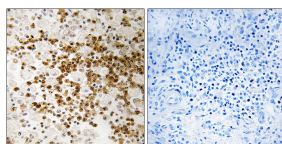
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of S100P Antibody. The lane on the right is blocked with the S100P peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using S100P Antibody. The lane on the right is blocked with the S100P peptide.

Storage

-20°C for one year

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