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S100P
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50013
Clone# BP6018

Predicted Molecular Wt: 10kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P25815

Background:

S100P is a 95-amino-acid protein and a member of the S100 family. S100P has been shown to mediate tumor growth, metastasis and invasion through the binding of Ca2+ ions, receptor for advanced glycation end products, cytoskeletal protein ezrin, calcyclin-binding protein/Siah-1-interacting protein and cathepsin D.

S100P highly expressed in human placenta, gastrointestinal tract, and esophageal mucosa , but always negative in pancreas and liver. Overexpression of S100P has been detected in several cancers such as breast, colon, prostate, pancreatic and lung carcinomas, and the protein has been functionally implicated in carcinogenic processes.

S100P could potentially serve as diagnostic marker, prognostic/predictive indicator and therapy target for different carcinomas.

Subcellular location:
Cytoplasma, nuclear

Recommended method:
Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

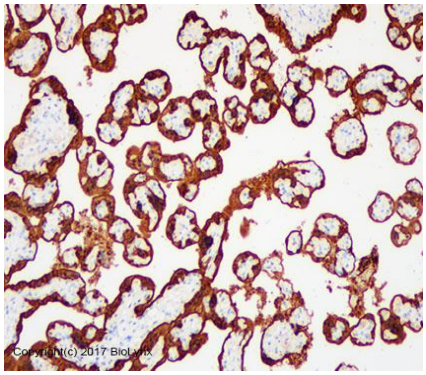
Immunogen:
Synthetic peptide according to the C-terminus of S100P was used as an immunogen.

Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:
-20°C

Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:
IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human placenta tissue labelling S100P with BP6018. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Background References:

1. Jiang H et.al. J Cancer Res Clin Oncol. 2012 Jan;138(1):1-9.
2. Seppo Parkkila et.al. BMC Clin Pathol. 2008; 8: 2.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.