



Specificity Protein 1 Antibody / SP1

Catalog No: tcna10599



Available Sizes

Size: 100ug



Specifications

Application:

WB, IHC-P, ELISA

Species Reactivity:

Human, Mouse, Rat

Host Species:

Rabbit

Immunogen / Amino acids:

Amino acids 384-603 of the human protein were used as the immunogen for the SP1 antibody.

Clonality:

Polyclonal (rabbit origin)

Isotype:

Rabbit IgG

Storage Buffer:

0.5mg/ml if reconstituted with 0.2ml sterile DI water

Recommended Dilution:

Western blot: 0.1-0.5ug/ml IHC (FFPE): 1-2ug/ml

Direct ELISA: 0.1-0.5ug/ml (human recombinant protein)

Storage Instruction:

After reconstitution, the SP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at - 20oC. Avoid repeated freezing and thawing.



SwissProt:

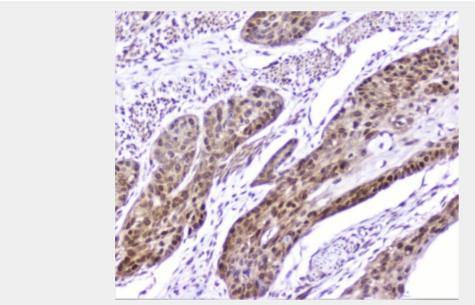
P08047

References

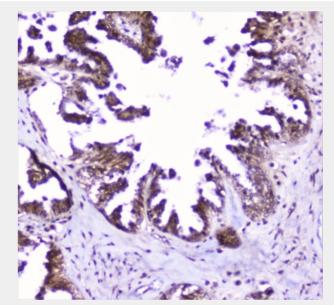
Antigen affinity

Product Description

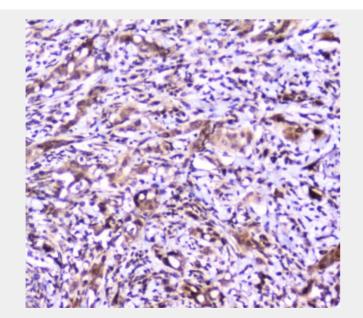
Transcription factor Sp1, also known as 'Specificity protein 1' is a protein that in humans is encoded by the SP1 gene. The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including cell differentiation, cell growth, apoptosis, immune responses, response to DNA damage, and chromatin remodeling. Post-translational modifications such as phosphorylation, acetylation, glycosylation, and proteolytic processing significantly affect the activity of this protein, which can be an activator or a repressor. Three transcript variants encoding different isoforms have been found for this gene.



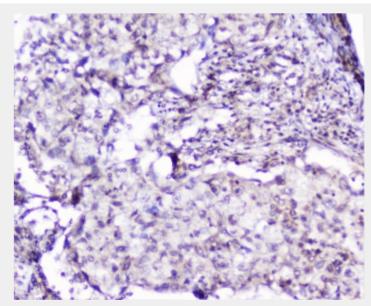
IHC staining of FFPE human esophagus squama cancer with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE human ovarian cancer with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

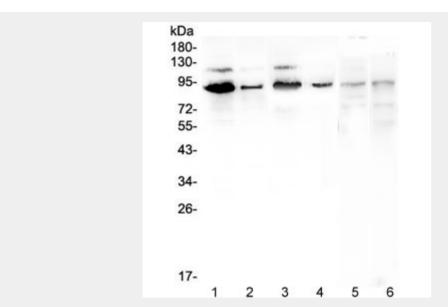


IHC staining of FFPE human intestinal cancer with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

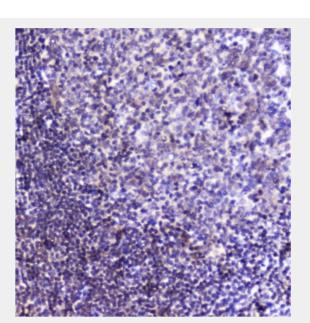


IHC staining of FFPE human lung cancer with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

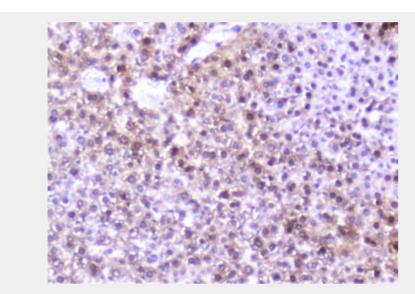




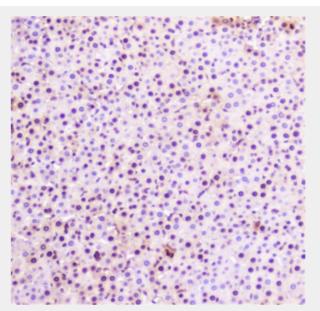
Western blot testing of human 1) K562, 2) A549, 3) HeLa, 4) A431, 5) rat brain and 6) mouse brain lysate with SP1 antibody. Expected molecular weight: 81-95 kDa.



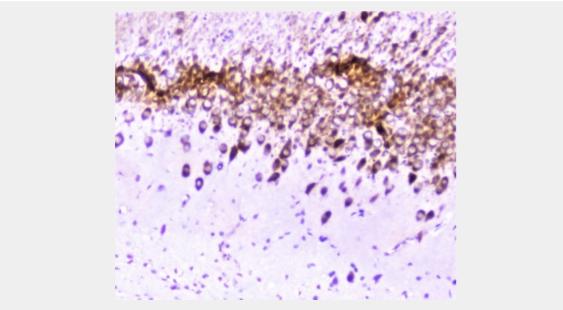
IHC staining of FFPE human tonsil with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE mouse liver with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat liver with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE rat brain with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!