Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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.

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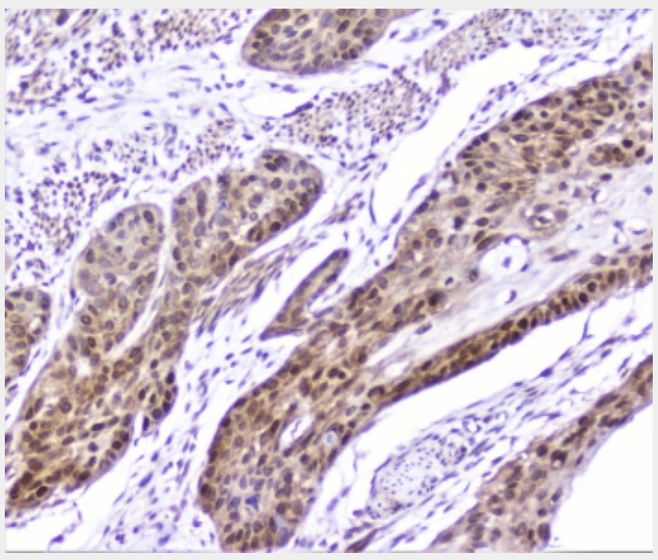
SwissProt:
P08047

References

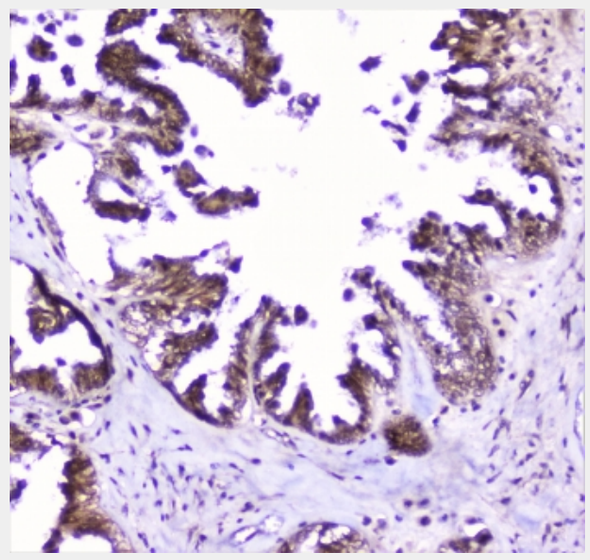
Antigen affinity

Product Description

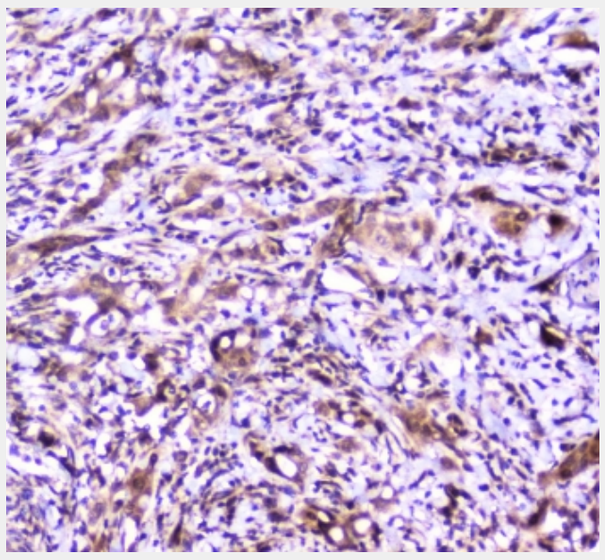
Transcription factor Sp1, also known as 'Specificity protein 1' is a protein that in humans is encoded by the SP1 gene. The protein encoded by this gene is a zinc finger transcription factor that binds to GC-rich motifs of many promoters. The encoded protein is involved in many cellular processes, including 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.



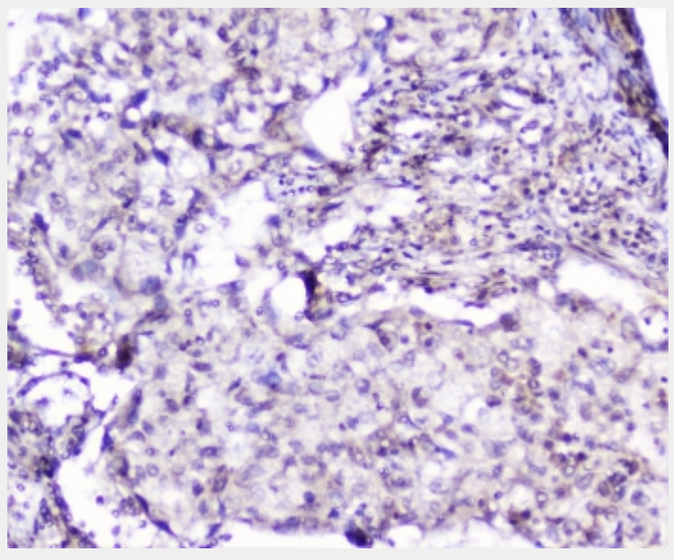
IHC staining of FFPE human esophagus squama cancer with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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.

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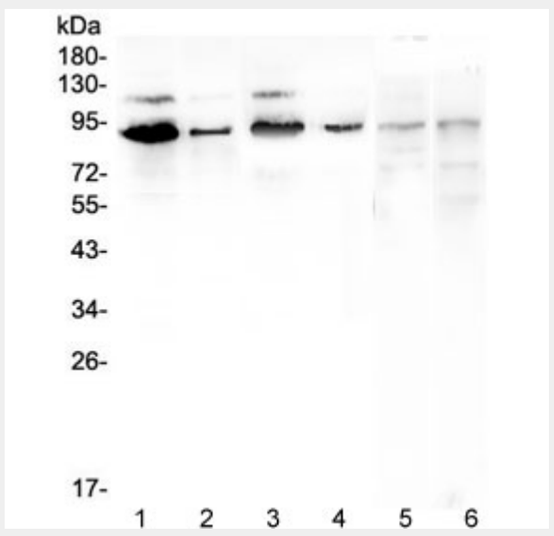
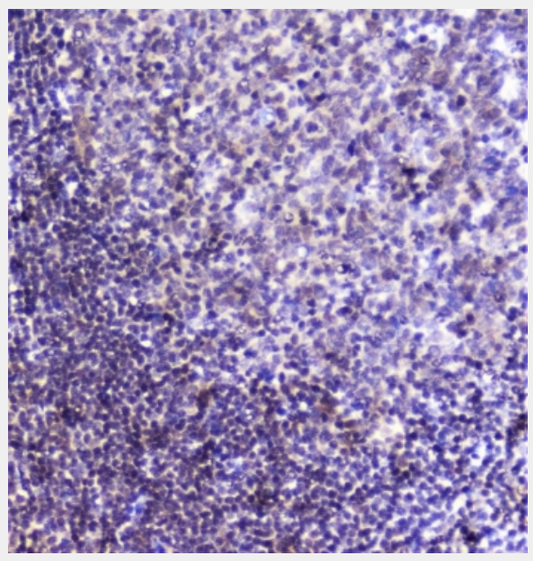
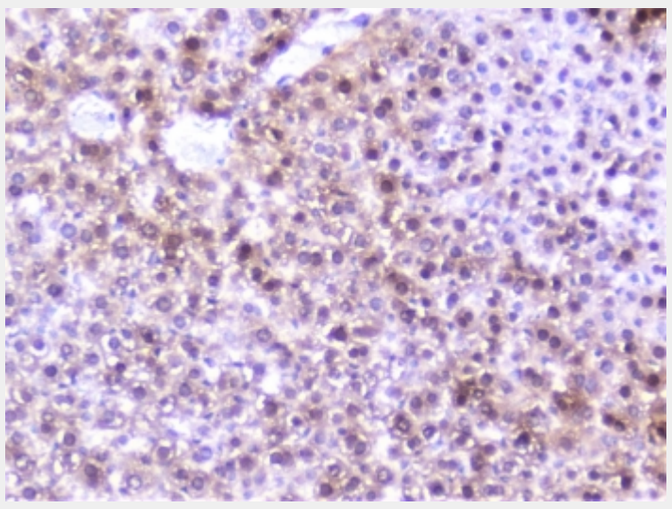


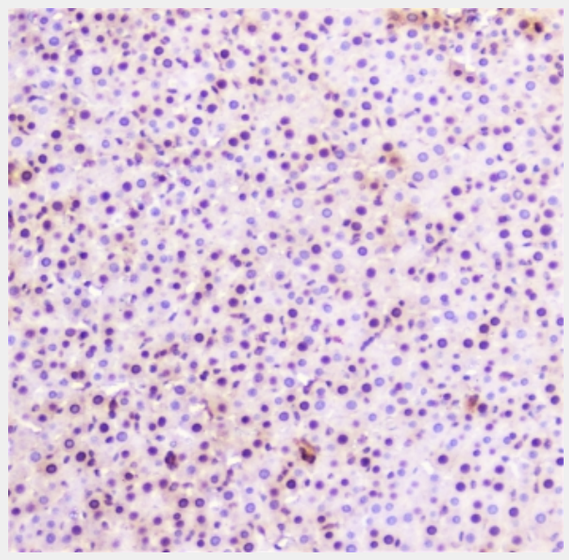
Western blot testing of human 1) K562, 2) A549, 3) HeLa, 4) A431, 5) rat brain and 6) mouse brain lysate with SP1 antibody. Expected molecular weight: 81-95 kDa.



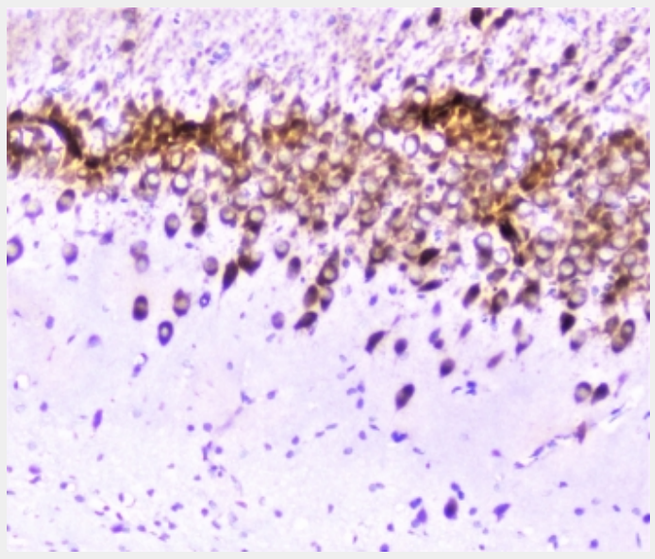
IHC staining of FFPE human tonsil with SP1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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!