Anti-SP1 antibody

Cat. No.	ml261137
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-SP1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human SP1
Reactivity	Human, Mouse, Rat
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	SP1
Full name	Sp1 transcription factor
Synonyms	
Swissprot	P08047

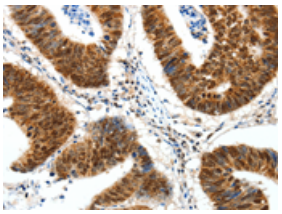
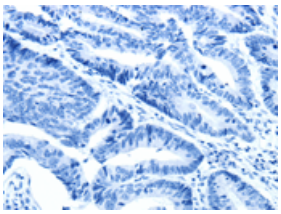
Target Background

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.

Applications

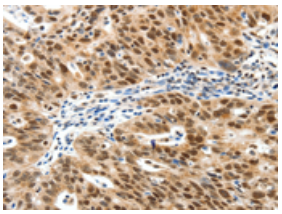
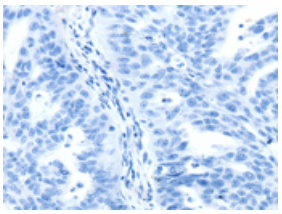
Immunohistochemistry

Predicted cell location: Cytoplasm, Nucleus
Positive control: Human colon cancer
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml261137(SP1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm, Nucleus
Positive control: Human ovarian cancer
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml261137(SP1 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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