

href="http://www.uniprot.org/citations/16943418" target="_blank">16943418, PubMed:17049555, PubMed:18171990, PubMed:18199680, PubMed:18239466, PubMed:18513490, PubMed:18619531, PubMed:19193796, PubMed:20091743, PubMed:21798247, PubMed:21046154). Plays a role in the recruitment of SMARCA4/BRG1 on the c-FOS promoter. Plays a role in protecting cells against oxidative stress following brain injury by regulating the expression of RNF112 (By similarity).

Cellular Location

Nucleus. Cytoplasm. Note=Nuclear location is governed by glycosylated/phosphorylated states. Insulin promotes nuclear location, while glucagon favors cytoplasmic location

Tissue Location

Up-regulated in adenocarcinomas of the stomach (at protein level). Isoform 3 is ubiquitously expressed at low levels

SP1 Antibody (C-term P692) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SP1 Antibody (C-term P692) Blocking peptide - Images

SP1 Antibody (C-term P692) Blocking peptide - Background

Transcription factor that can activate or repress transcription in response to physiological and pathological stimuli. Binds with high affinity to GC-rich motifs and regulates the expression of a large number of genes involved in a variety of processes such as cell growth, apoptosis, differentiation and immune responses. Highly regulated by post-translational modifications (phosphorylations, sumoylation, proteolytic cleavage, glycosylation and acetylation). Binds also the PDGFR-alpha G-box promoter. May have a role in modulating the cellular response to DNA damage. Implicated in chromatin remodeling. Plays a role in the recruitment of SMARCA4/BRG1 on the c-FOS promoter. Plays an essential role in the regulation of FE65 gene expression.

SP1 Antibody (C-term P692) Blocking peptide - References

Pan, Q., et al. Biochem. Biophys. Res. Commun. 401(2):306-312(2010) Mucha, M., et al. J. Neurosci. 30(40):13235-13245(2010) Imanishi, M., et al. Biochem. Biophys. Res. Commun. 400(4):625-630(2010) Jutooru, I., et al. J. Biol. Chem. 285(33):25332-25344(2010) Logotheti, S., et al. FEBS J. 277(14):3014-3027(2010)