Selected References SYSY Antibodies

Detecting and discriminating novel objects: The impact of perirhinal cortex disconnection on hippocampal activity patterns.
Kinnunnen L, Amin E, Olarte-Sánchez CM, Aggleton JP

Human osteosarcoma cells respond to sorafenib chemotherapy by downregulation of the tumor progression factors S100A4, CKX4R and the oncogene FOS.
Oncology reports (2014) 31(3): 1147-56. ICC tested species: human

Targeted delivery of engineered auditory sensing protein for ultrasound neuromodulation in the brain.
Wu CY, Fan CH, Chiu NH, Ho YJ, Lin YC, Yeh CY
Theranostics (2020) 10(8): 3546-3561. IHC tested species: mouse

Encoding of contextual fear memory in hippocampal-amygdala circuit.
Kim WB, Cho JH

The p75 neurotrophin receptor in AgRP neurons is necessary for homeostatic feeding and food anticipation.
Colmenárez-Raga AC, Díaz I, Pernia M, Pérez-González D, Delgado-García JM, Carro J, Plaza I, Merchán MA
eLife (2019) 8: . IHC tested species: mouse

Active information maintenance in working memory by a sensory cortex.

Systemic administration of pentoxifylline attenuates the development of hypertension in renovascular hypertensive rats.
Setiadi A, Korim WS, May CN, Yao ST
Hypertension research : official journal of the Japanese Society of Hypertension (2020) : . IHC tested species: rat

The expression of Fos proteins is rapidly and transiently induced by different extracellular stimuli such as growth factors, cytokines, neurotransmitters, polyamine, hormones and stress.
In addition Fos proteins can be phosphorylated by ERK kinases modulating transcriptional activity, protein stability and localization. c-Fos is homologous to the Finkel-Biskis-Jinkins (FBJ) murine osteosarcoma virus oncogene.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT INFECTIOUS, NOT CONTAGIOUS

The Fos gene family consists of 4 members: c-Fos, FosB, FosL1, and FosL2, also called Fos related antigen 1 and 2 (FRA1 and 2). These leucine zipper proteins can dimerize with proteins of the JUN family leading to the formation of the transcription factor complex AP1. The expression of Fos proteins is rapidly and transiently induced by different extracellular stimuli such as growth factors, cytokines, neurotransmitters, polyamine, hormones and stress.

Reconstitution/Storage
100 µl specific antibody, lyophilized. Affinity purified with the immunogen. Albumin and azide were added for stabilization. For reconstitution add 100 µl H2O. Then aliquot and store at -20°C until use.

Applications
WB: 1 : 250 up to 1 : 500 (AP staining)
IP: not tested yet
ICC: 1 : 1000
IHC: 1 : 1000 (see remarks)
IHC-P/FPPE: not recommended (see remarks)

Immunogen
Synthetic peptide corresponding to AA 2 to 17 from rat c-Fos (UniProt Id: P12841)

Reactivity
Reacts with: human (P01100), rat (P12841), mouse (P01101), monkey, ape, cow, dog, pig. Other species not tested yet.

Specificity
Specific for c-Fos.

matching control
226-0P

Remarks
IHC: Signal quality is strongly enhanced when antibody is incubated at RT.
IHC-P: Cat. no. 226 003 is recommended for this application.