GAPDH

Cat.No. 247 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/Storage 200 µl antiserum, lyophilized. For reconstitution add 200 µl H2O, then aliquot and store at -20°C until use.

Applications WB: 1 : 1000 up to 1 : 5000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet

Immunogen Recombinant protein corresponding to AA 1 to 335 from human GAPDH (UniProt Id: P04406)

Reactivity Reacts with: human (P04406), rat (P04797), mouse (P16858), zebrafish. Other species not tested yet.

Specificity Specific for GAPDH.

Remarks Well established as a loading control for Western-blotting.

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

Selected References SYSY Antibodies

Interactome of the amyloid precursor protein APP in brain reveals a protein network involved in synaptic vesicle turnover and a close association with Synaptotagmin-1.

Antidepressants induce profibrotic responses via the lysophosphatidic acid receptor LPA1.
Olianas MC, Dedoni S, Onali P European journal of pharmacology (2020): 172963; WB; tested species: human

Inhibition of TNF-α-induced neuronal apoptosis by antidepressants acting through the lysophosphatidic acid receptor LPA1.

Detrimental and protective action of microglial extracellular vesicles on myelin lesions: astrocyte involvement in remyelination failure.

Trans-Synaptic Signaling through the Glutamate Receptor Delta-1 Mediates Inhibitory Synapse Formation in Cortical Pyramidal Neurons.

Overexpression of SNX7 reduces Aβ production by enhancing lysosomal degradation of APP.
Xu S, Zhang L, Brodin L Biochemical and biophysical research communications (2018) 495(1): 12-19; WB; tested species: human

The Microglial Innate Immune Receptor TREM2 is Required for Synapse Elimination and Normal Brain Connectivity.

Pentraxin 3 regulates synaptic function by inducing AMPA receptor clustering via ECM remodeling and β1-integrin.

The GABAB positive allosteric modulators CGP7930 and GS39783 stimulate ERK1/2 signalling in cells lacking functional GABAB receptors.
Olianas MC, Dedoni S, Onali P European journal of pharmacology (2017) 794: 135-146. WB

Muscarnic Acetylcholine Receptors Potentiate S-Adenosine Monophosphate-Activated Protein Kinase Stimulation and Glucose Uptake Triggered by Thapsigargin-Induced Store-Operated Ca2+ Entry in Human Neuroblastoma Cells.
Olianas MC, Dedoni S, Onali P Neurochemical research (2017): WB; tested species: human

Novel axon projection after stress and degeneration in the Dscam mutant retina.

Protective properties of lysozyme on β-amyloid pathology: implications for Alzheimer disease.

REST-Governed Gene Expression Profiling in a Neuronal Cell Model Reveals Novel Direct and Indirect Processes of Repression and Up-Regulation.

Type I interferons up-regulate the expression and signalling of p75 NTR/TrkA receptor complex in differentiated human SH-SYSY neuroblastoma cells.

Growth differentiation factor S is a key physiological regulator of dendrite growth during development.

Glycerinaldehyde 3-phosphate dehydrogenase (GAPDH), also referred to as G3PDH, catalyzes the sixth step of glycolysis and thus plays a crucial role in the glucose metabolism. In addition to this well known metabolic function it also exhibits nitrosylase activities and is involved in cellular events like transcription, RNA transport, DNA replication and apoptosis. It is an abundant housekeeping gene and is frequently used as a loading reference in western blot experiments.