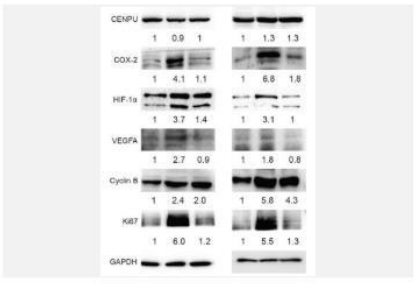
PRODUCT DATA SHEET

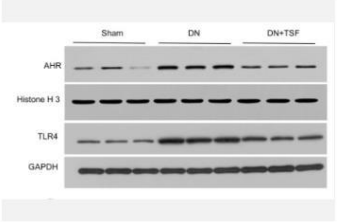
GAPDH pAb

Catalog No.	IDS0103
Reactivity	Human;Mouse;Rat;Rabbit;Ch;Mk;sheep;X
Applications	WB; IHC-p; IF(paraffin section)
Alternative Names	Glyceraldehyde-3-phosphate dehydrogenase; Peptidyl-cysteine S-nitrosylase GAPDH; GAPDH
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.07% sodium azide.
Source	Rabbit
Dilution	WB: 1:5000 IHC: 1:200; IF: 1:50-1:200
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.
Concentration	N/A
Storage&Stability	Store at 4 ℃ short term. Aliquot and store at -20 ℃ long term. Avoid freeze-thaw cycles.
Subcellular Location	-
MW	~ 37 kDa
Background	Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. As well as functioning as a glycolytic enzyme in cytoplasm, recent evidence suggests that mammalian GAPDH is also involved in a great number of intracellular proceses such as membrane fusion, microtubule bundling, phosphotransferase activity, nuclear RNA export, DNA replication, and DNA repair. During the last decade a lot of data appeared concerning the role of GAPDH in different pathologies including prostate cancer progression, programmed neuronal cell death, age related neuronal diseases, such as Alzheimer's and Huntington's disease. GAPDH is expressed in all cells. It is constitutively expressed in almost all tissues at high levels. There are however some physiological factors such as hypoxia and diabetes that increase GAPDH expression in certain cell types. GAPDH molecule is composed of four 36kDa subunits.
Swiss-Prot	P04406

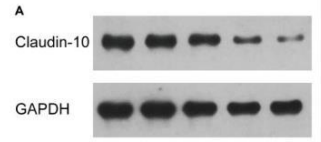
Products Images:



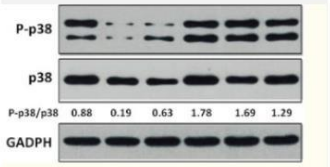
Zhao, Shaorong et al. "Deciphering the performance of polo-like kinase 1 in triple-negative breast cancer progression according to the centromere protein U-phosphorylation pathway." American journal of cancer research vol. 11,5 2142-2158. 15 May. 2021



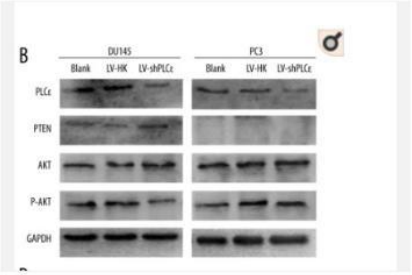
Zhao, TingTing, et al. "Tangshen formula modulates gut Microbiota and reduces gut-derived toxins in diabetic nephropathy rats." Biomedicine & Pharmacotherapy 129 (2020): 110325.



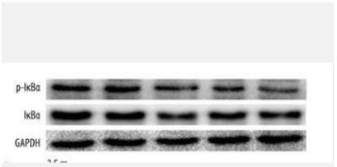
Yi, Sheng, et al. "Peripheral nerve injury induces dynamic changes of tight junction components." Frontiers in physiology9 (2018): 1519.



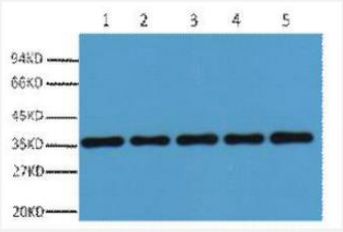
Chang, Ying, et al. "Lentivirus-mediated knockdown of astrocyte elevated gene-1 inhibits growth and induces apoptosis through MAPK pathways in human retinoblastoma cells." PloS one 11.2 (2016): e0148763.



Wang, Xiao, et al. "Knockdown of Phospholipase Cε (PLCε) Inhibits Cell Proliferation via Phosphatase and Tensin Homolog Deleted on Chromosome 10 (PTEN)/AKT Signaling Pathway in Human Prostate Cancer." Medical science monitor: international medical journal of experimental and clinical research 24 (2018): 254.



Wang, Chunhua, et al. "Salvianolic Acid B-Alleviated Angiotensin II Induces Cardiac Fibrosis by Suppressing NF-κB Pathway In Vitro." Medical science monitor: international medical journal of experimental and clinical research 24 (2018): 7654.



Western blot analysis of 293T (1), Rat brain (2), NIH 3T3 (3), Sheep Muscle (4), Rabbit testis (5), diluted at 1:20000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000