

Anti-GAPDH Rabbit pAb

ABC11020 -20°C

Product Information	
Protein full name	Glyceraldehyde-3-phosphate dehydrogenase
Synonyms	GAPDH, GAPD, G3PD, HEL-S-162eP, glyceraldehyde-3-phosphate dehydrogenase
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse GAPDH
Uniprot ID	P16858
Isotype	IgG
Purity	Affinity purification
Predicted MW. / Observed MW.	37 kDa / 37 kDa

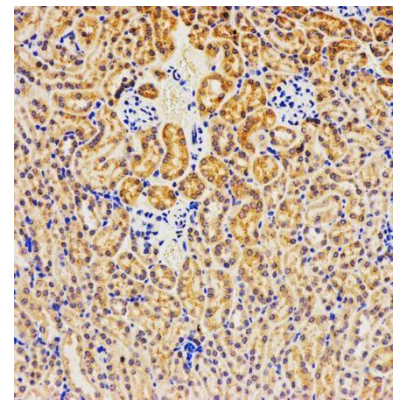
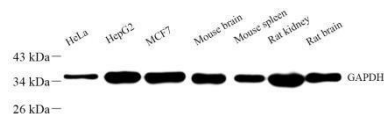
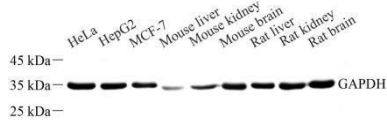
Applications			
WB	Human, Mouse, Rat	1: 1000-1: 2000	brain, spleen, kidney
IHC/IF	Human, Mouse, Rat	1: 500-1: 1000	kidney, testis

Storage	
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/mL BSA and 50% glycerol.

Background

Glyceraldehyde 3-phosphate dehydrogenase (abbreviated as GAPDH or less commonly as G3PDH) is an enzyme of ~37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, GAPDH has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis, ER to Golgi vesicle shuttling, and fast axonal, or axoplasmic transport. In sperm, a testis-specific isoenzyme GAPDHs is expressed.

Images



WB analysis of GAPDH .
 Sample: Protein treated by RIPA Lysis Buffer .
 Blocking buffer: 3% Nonfat dry milk in TBST,
 RT, 1h.
 Primary antibody: 1: 1000, 4°C overnight.
 Secondary antibody: HRP Goat Anti-Rabbit IgG, 1:
 3000, RT, 1h.

WB analysis of GAPDH .
 Sample: Protein treated by RIPA Lysis Buffer .
 Blocking buffer: 3% Nonfat dry milk in TBST,
 RT, 1h.
 Primary antibody: 1: 1000, 4°C overnight.
 Secondary antibody: HRP Goat Anti-Rabbit IgG, 1:
 3000, RT, 1h.

IHC analysis of GAPDH . Sample: Mouse
 kidney (Paraffin), 4% PFA 12-24h.
 Antigen retrieval: Citrate buffer (pH 6.0)
 ,98°C,20 min.
 Blocking buffer: 3% BSA in PBS , RT, 30min.
 Primary antibody: 1: 500, 4°C overnight.
 Secondary antibody: HRP Goat Anti-Rabbit IgG
 , 1: 200 RT 1h.

For Research Use Only!
Ver. No.: V1.0-202202