

## Product datasheet for **TA373085**

### GAPDH Rabbit Polyclonal Antibody

#### Product data:

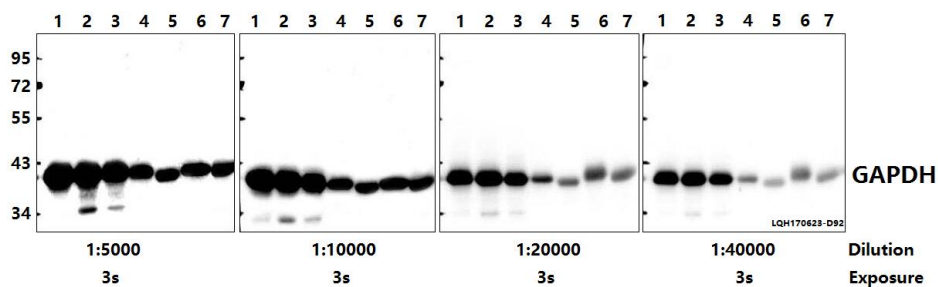
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB:1:5000~1:20000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1 mg/mL
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Conjugation:	Unconjugated
Predicted Protein Size:	~ 36 kDa
Gene Name:	glyceraldehyde-3-phosphate dehydrogenase
Database Link:	<a href="#">Entrez Gene 2597 Human P04406</a>
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 processes 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.
Synonyms:	G3PD; GAPD; MGC88685; OTTHUMP00000174431; OTTHUMP00000174432



[View online »](#)

**Note:** GAPDH polyclonal antibody detects endogenous levels of GAPDH protein. Not applicable to tissue.

**Product images:**



Western blot (WB) analysis of GAPDH pAb at 1:5000/1:10000/1:20000/1:40000 dilution  
 Lane1:L02 whole cell lysate(40ug) Lane2:A549 whole cell lysate(40ug) Lane3:MG63 whole cell lysate(40ug) Lane4:PC12 whole cell lysate(40ug) Lane5:BV2 whole cell lysate(40ug) Lane6:The Brain tissue lysate of Rat(40ug) Lane7:The Brain tissue lysate of Mouse(40ug) .