

## Product datasheet for **AP21308PU-N**

### GAPDH Sheep Polyclonal Antibody

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, ID, IF, IP, R, WB
<b>Recommended Dilution:</b>	This product is intended for use in precipitating and non-precipitating antibody-binding assays (such as e.g., ELISA and Western blotting and Immunofluorescence or Histochemical techniques), to prepare an insoluble immuno-affinity adsorbent, for labelling with a marker of the customer's own choice. Working dilutions in non-precipitating antibody-binding techniques: 1/100-1/3,000.
<b>Reactivity:</b>	Rabbit
<b>Host:</b>	Sheep
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Glyceraldehyde-3-Phosphate Dehydrogenase isolated and purified from Rabbit muscle. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Specificity:</b>	The antibody recognizes GAPDH from Rabbit muscle. The reagents were evaluated for potency, purity and specificity using most or all of the following techniques: Immunoelectrophoresis, Cross-Immunoelectrophoresis, single Radial Immunodiffusion (Ouchterlony), block titration, ELISA, Immunoblotting and Enzyme Inhibition. Cross-reactivities against enzymes of other sources may occur but have not been determined.
<b>Formulation:</b>	PBS, pH 7.2 stabilized with Dextran without preservatives and foreign proteins State: Aff - Purified State: Lyophilized purified IgG fraction
<b>Reconstitution Method:</b>	Restore by adding 0.5 ml of sterile distilled water
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Solid Phase Affinity Chromatography
<b>Conjugation:</b>	Unconjugated



[View online »](#)

<b>Storage:</b>	Store the antibody lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer. If a slight precipitation occurs upon storage, this should be removed by centrifugation.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Database Link:</b>	<a href="#">Entrez Gene 100009074 Rabbit P46406</a>
<b>Background:</b>	Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. Besides its functioning as a glycolytic enzyme in cytoplasm, recent evidence suggest 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 findings 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 constitutively expressed in almost all tissues at high levels, therefore becoming the marker of choice when a loading control in Western blotting is required. Some physiological factors, such as hypoxia and diabetes, increase GAPDH expression in certain cell types.
<b>Synonyms:</b>	GAPD, CDABP0047