

Product datasheet for **AP09068SU-N**

Glucose Oxidase Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	Western blot: 1/500-1/3,000. ELISA: 1/5,000 to 1/25,000. This antibody has been assayed against 1.0 µg of Glucose Oxidase [<i>Aspergillus niger</i>] in a standard ELISA using peroxidase conjugated affinity purified anti-goat IgG and ABTS as substrate for 30 minutes at room temperature. A working dilution of 1/1,000 to 1/4,000 of the reconstitution concentration is suggested.
	Immunoprecipitation.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Glucose Oxidase [<i>Aspergillus niger</i>]
Specificity:	This antibody reacts to Glucose Oxidase. Immunoelectrophoresis give a single precipitin arc against purified and partially purified Glucose Oxidase [<i>Aspergillus niger</i>]. Cross reactivity against Glucose Oxidase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.01 M Sodium phosphate, 0.15 M Sodium chloride, pH 7.2 State: Serum State: Lyophilized
Reconstitution Method:	Restore with 2.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P13006



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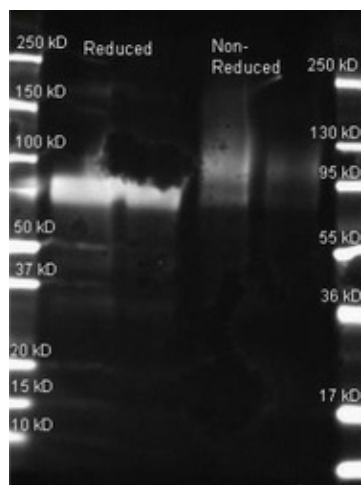
Background:

Glucose Oxidase is widely used for the determination of glucose in body fluids and in removing residual glucose or oxygen from foods and beverages. Glucose Oxidase producing moulds such as *Aspergillus* and *Penicillium* species are used for the biological production of gluconic acid.

CATALYTIC ACTIVITY: $\text{Beta D glucose} + \text{O}_2 = \text{D glucono 1,5 lactone} + \text{H}_2\text{O}_2$.

Synonyms:

Glucose oxyhydrase, Beta-D-glucose:oxygen 1-oxido-reductase, gox

Product images:

Western blot of goat anti Glucose Oxidase antibody Cat.-No. AP09068SU-N. Lane 1: ~1g Glucose Oxidase reduced. Lane 2: ~0.25g Glucose Oxidase reduced. Lane 3: ~1g Glucose Oxidase non-reduced. Lane 4: ~0.25g Glucose Oxidase non-reduced. Primary antibody: Gluc