

Glucose Oxidase Rabbit pAb

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Catalog # AP55156

Product Information

Application	WB, IHC-P, IHC-F, IF
Predicted	Penicillium amagasakiense
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from Penicillium amagasakiense Glucose Oxidase
Epitope Specificity	14-120/587
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Glucose Oxidase is a dimeric enzyme that binds to β -D-glucose and aids in its oxidation into D-glucono-1,5-lactone which then hydrolyzes to gluconic acid. Flavin adenine dinucleotide (FAD) is a cofactor to Glucose Oxidase that acts as the initial electron acceptor and is required for this oxidation to occur. Glucose Oxidase is a natural preservative found in honey, where it reduces atmospheric oxygen into hydrogen peroxide which acts as an antibacterial barrier. Glucose Oxidase is also commonly used in biosensors in which it conveys levels of glucose by keeping track of the number of electrons passed through the enzyme. In this application, Glucose Oxidase is connected to an electrode and the resulting charge is measured.

Additional Information

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.