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Glucose 6 Phosphate Dehydrogenase Rabbit mAb

Catalog # AP76511

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P11413
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	59257

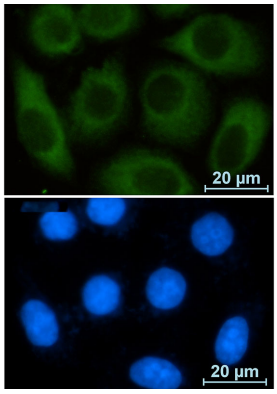
Additional Information

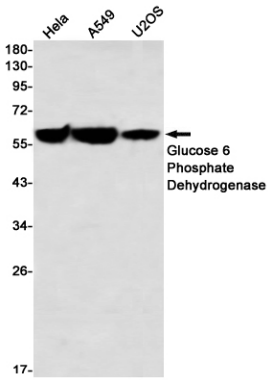
Gene ID	2539
Other Names	G6PD
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

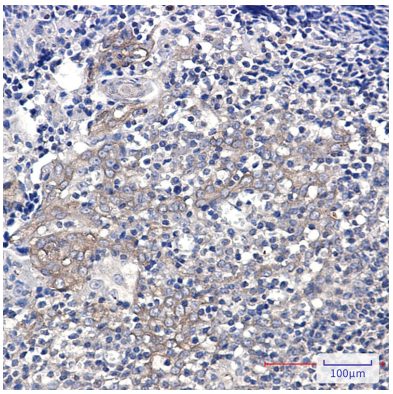
Protein Information

Name	G6PD
Function	Catalyzes the rate-limiting step of the oxidative pentose- phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis. Also catalyzes the conversion of NAADPH, which is produced by enzymes such as DUOX1, DUOX2 and NOX5 from NAADP and promotes Ca(2+) signaling during T cell activation, back to NAADP (PubMed:34784249).
Cellular Location	Cytoplasm, cytosol. Membrane; Peripheral membrane protein
Tissue Location	Isoform Long is found in lymphoblasts, granulocytes and sperm

Images







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