bsm-61479R **[Primary Antibody]**

Glucose 6 Phosphate Dehydrogenase Recombinant Rabbit mAb

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DATASHEET

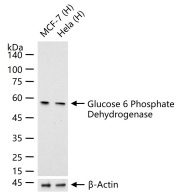
Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 9E20
GeneID: 2539
SWISS: P11413
Target: Glucose 6 Phosphate Dehydrogenase
Immunogen: A synthesized peptide derived from human G6PD: 460-515/515.
Purification: affinity purified by Protein A
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.
Background: 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.

Applications: **WB** (1:500-2000)
IHC-P (1:200-500)
IHC-F (1:200-500)
IF (1:200-500)
Flow-Cyt (1:50-100)

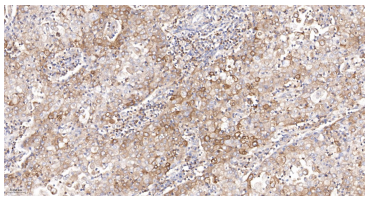
Reactivity: Human

Predicted MW.: 59 kDa
Observed MW.: 58 kDa
Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

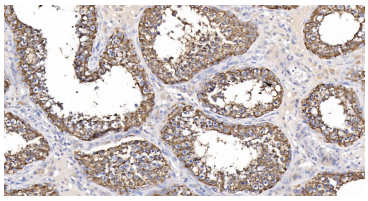
VALIDATION IMAGES



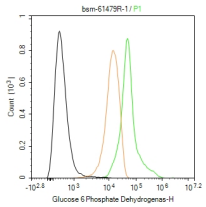
25 ug total protein per lane of various lysates (see on figure) probed with Glucose 6 Phosphate Dehydrogenase monoclonal antibody, unconjugated (bsm-61479R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated(bsm-61479R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation Glucose 6 Phosphate Dehydrogenase Monoclonal Antibody, Unconjugated(bsm-61479R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



The 293T (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-Glucose 6 Phosphate Dehydrogenase antibody (bsm-61479R,1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.