Anti-G6PD Antibody (Clone# ARC0553)

rev 10/20

CATALOG NO.: **A2134-100 (100 µl)**

BACKGROUND DESCRIPTION: This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene.

ALTERNATE NAMES: G6PD1

ANTIBODY TYPE: Monoclonal

CLONE: ARC0553

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: Synthetic peptide derived from human G6PD

MOLECULAR WEIGHT: 59 kDa

PURIFICATION: Affinity purified

FORM: Liquid

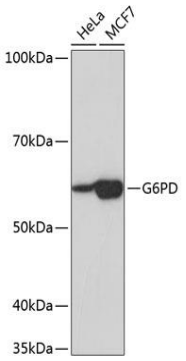
FORMULATION: In PBS with 0.02% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -20ºC. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:2000

This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of HeLa and MCF7 cells using Anti-G6PD antibody (Clone# ARC0553) at 1:1000 dilution. HRP Goat Anti-Rabbit IgG (H+L) was used as secondary antibody at 1:10,000 dilution. 25 µg of lysates was loaded per lane. 3% nonfat dry milk in TBST was used as blocking buffer. Detection was performed using ECL Basic Kit. Exposure time was 5s.

RELATED PRODUCTS:
GCK (Glucokinase) Antibody (3154)
Anti-PKM Antibody (A1698)
SIRT2 Antibody (6138)
Aldolase C (ALDOC) Antibody (NT) (6757)

FOR RESEARCH USE ONLY! Not to be used on humans.

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