SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

G6PD Antibody - middle region : Biotin (ARP58469_P050-Biotin)

Data Sheet

Product Number	ARP58469_P050-Biotin
Product Page	www.avivasysbio.com/g6pd-antibody-middle-region-biotin-arp58469-p050-biotin.html
Name	G6PD Antibody - middle region : Biotin (ARP58469_P050-Biotin)
Protein Size (# AA)	515 amino acids
Molecular Weight	57kDa
Conjugation	Biotin
NCBI Gene Id	2539
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glucose-6-phosphate dehydrogenase
Alias Symbols	G6PD1
Peptide Sequence	Synthetic peptide located within the following region: VTKNIHESCMSQIGWNRIIVEKPFGRDLQSSDRLSNHISSLFREDQIYRI
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Langbein,S., (2008) Int. J. Cancer 122 (11), 2422-2428
Description of Target	G6PD is a 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. 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.
Protein Interactions	G6PD; SUMO2; UBC; MDM2; CKB; CAPN1; ALDH7A1; ZNF622; ZFYVE19; UBFD1; CNDP2; ISOC1; MAT2B; ERP44; YWHAQ; SLC9A3R1; YWHAZ; YWHAH; YWHAG; YWHAE; YWHAB; EIF4H; VCL; UBE2V1; TGM2; PPP1R2; PGD; PAK2; LDHB; SFN; GNS; GLA; GBP2; EIF5; BAG3; FN1; CCT4; HARS; SUMO4
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-G6PD (ARP58469_P050-Biotin) antibody
Blocking Peptide	For anti-G6PD (ARP58469_P050-Biotin) antibody is Catalog # AAP58469 (Previous Catalog # AAPP34520)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human G6PD
Uniprot ID	P11413
Protein Name	Glucose-6-phosphate 1-dehydrogenase
Sample Type Confirmation	G6PD is supported by BioGPS gene expression data to be expressed in MCF7

Protein Accession #	NP_000393
Purification	Affinity Purified
Nucleotide Accession #	NM_000402
Gene Symbol	G6PD
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 85%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Rabbit: 93%; Rat: 86%; Sheep: 83%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

AVIVA SYSTEMS BIOLOGY
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com