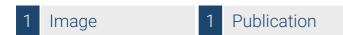


Datasheet for ABIN2785662

anti-Glutathione Reductase antibody (N-Term)





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Overview		
Quantity:	100 μL	
Target:	Glutathione Reductase (GSR)	
Binding Specificity:	N-Term	
Reactivity:	Human, Rat, Mouse, Guinea Pig, Rabbit, Cow, Dog, Horse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Glutathione Reductase antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GSR	
Sequence:	PTIEVSGKKY TAPHILIATG GMPSTPHESQ IPGASLGITS DGFFQLEELP	
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 93%	
Characteristics:	This is a rabbit polyclonal antibody against GSR. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	
Target Details		
Target:	Glutathione Reductase (GSR)	

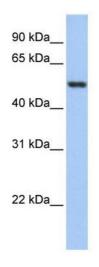
Target Details

Alternative Name:	GSR (GSR Products)		
Background:	GSR belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It maintains high		
	levels of reduced glutathione in the cytosol. Both glutathione and glutathione reductase are		
	inducible by D3T, and that upregulation of GSH biosynthesis underlies D3T-mediated		
	cytoprotection against ROS/RNS-elicited injury to human vascular smooth muscle cells.		
	Alias Symbols: MGC78522		
	Protein Interaction Partner: SUMO1, CNDP2, GINS2, PROSC, AHSA1, NDRG1, DDX39A, NAMPT,		
	KYNU, DDX39B, RPS6KA1, PEPD, MVD, LDHA, HSPD1, GBP2, EEF2, ADSS, C11orf49, UBC,		
	FOLR1, ISG15, ELAVL1, SUMO4, PJA1, OCM, GSR,		
	Protein Size: 522		
Molecular Weight:	56 kDa		
Gene ID:	2936		
NCBI Accession:	NM_000637, NP_000628		
UniProt:	P00390		
Pathways:	Thyroid Hormone Synthesis, Cell RedoxHomeostasis		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 522 AA		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	Lot specific		
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %		
	sucrose.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		
	should be handled by trained staff only.		
	Avoid repeated freeze-thaw cycles.		

Handling

Publications Product cited in: Hoffmann, Dietrich, Herrmann, Schacht, Albrecht, Methner: "Dimethyl Fumarate Induces Glutathione Recycling by Upregulation of Glutathione Reductase." in: Oxidative medicine and	Storage:	-20 °C	
Product cited in: Hoffmann, Dietrich, Herrmann, Schacht, Albrecht, Methner: "Dimethyl Fumarate Induces Glutathione Recycling by Upregulation of Glutathione Reductase." in: Oxidative medicine and	Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.	
Glutathione Recycling by Upregulation of Glutathione Reductase." in: Oxidative medicine and	Publications		
	Product cited in:	Hoffmann, Dietrich, Herrmann, Schacht, Albrecht, Methner: "Dimethyl Fumarate Induces	
cellular longevity, Vol. 2017, pp. 6093903 (2017) (PubMed)		Glutathione Recycling by Upregulation of Glutathione Reductase." in: Oxidative medicine and	
Central Hongevity, Vol. 2017, pp. 0033300, (2017) (1 dbl/cd).		cellular longevity, Vol. 2017, pp. 6093903, (2017) (PubMed).	

Images



Western Blotting

Image 1. WB Suggested Anti-GSR Antibody Titration: 0.2-1

ug/ml

ELISA Titer: 1:312500

Positive Control: Hela cell lysate