ANTIBODIES ONLINE

Datasheet for ABIN633841
anti-Glutathione Reductase antibody (N-Term)

1 Image

Overview

Quantity:	100 μL
Target:	Glutathione Reductase (GSR)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Reductase antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	GSR antibody was raised using the N terminal of GSR corresponding to a region with amino acids PTIEVSGKKYTAPHILIATGGMPSTPHESQIPGASLGITSDGFFQLEELP
Specificity:	GSR antibody was raised against the N terminal of GSR
Purification:	Affinity purified

Target Details

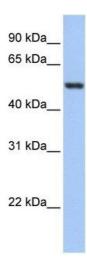|	
Target:	Glutathione Reductase (GSR)
Alternative Name:	GSR (GSR Products)
Background:	GSR belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family. It maintains high levels of reduced glutathione in the cytosol. Both glutathione and glutathione reductase are inducible by D3T, and that upregulation of GSH biosynthesis underlies D3T-mediated

Target Details

	cytoprotection against ROS/RNS-elicited injury to human vascular smooth muscle cells.
Molecular Weight:	56 kDa (MW of target protein)
Pathways:	Thyroid Hormone Synthesis, Cell RedoxHomeostasis

Application Details

Application Notes:	WB: 1 µg/mL Optimal conditions should be determined by the investigator.
Comment:	GSR Blocking Peptide, catalog no. 33R-7387, is also available for use as a blocking control in assays to test for specificity of this GSR antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of GSR antibody in PBS
Concentration:	Lot specific
Buffer:	PBS
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

Images

Western Blotting

Image 1. GSR antibody used at 1 ug/ml to detect target protein.