

GSR Antibody

Catalog No: #31078

Package Size: #31078-1 50ul #31078-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	GSR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total GSR protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 274-475 amino acids of human glutathione reductase
Target Name	GSR
Other Names	Glutathione reductase
Accession No.	Swiss-Prot:P00390Gene ID:2936;
Uniprot	P00390
GeneID	2936;
Concentration	0.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

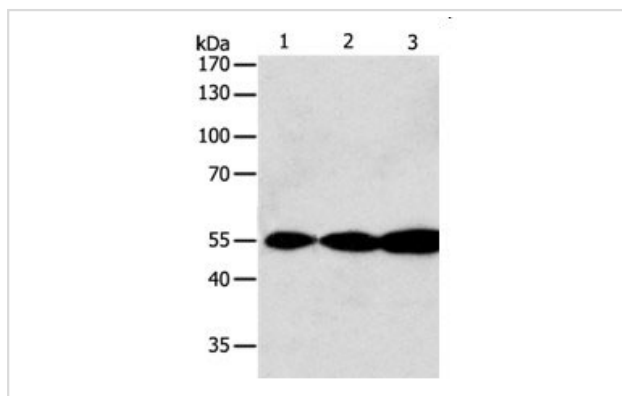
Predicted MW: 56kd

ELISA: 1:2000-1:10000

Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE

Lane1: Jurkat cell lysate

Lane2: HeLa cell lysate

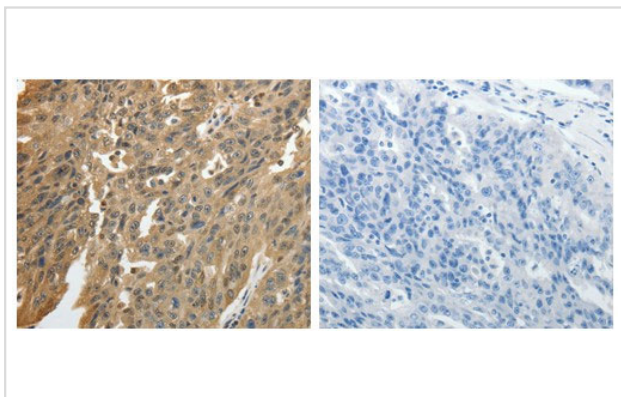
Lane3: A549 cell lysate

Lysates: 40 ug per lane

Primary antibody: 1/750 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 30 seconds



The image on the left is immunohistochemistry of paraffin-embedded human ovarian cancer tissue using 31078 (GSR Antibody) at dilution 1/50, on the right is treated with the fusion protein.

Background

This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. This enzyme is a homodimeric flavoprotein. It is a central enzyme of cellular antioxidant defense, and reduces oxidized glutathione disulfide (GSSG) to the sulfhydryl form GSH, which is an important cellular antioxidant. Rare mutations in this gene result in hereditary glutathione reductase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been found.

Note: This product is for in vitro research use only