

Roles of Glutathione

- Cell growth and division
- DNA synthesis
- DNA repair
- Protein synthesis
- Prostaglandin synthesis
- Leukotriene synthesis
- Amino acid transport
- Enzyme catalysis
- Receptor action
- Metabolism of toxins
- Metabolism of carcinogens
- Metabolism of xenobiotics
- Enhancement of humoral immune function
- Enhancement of systemic immune function
- Decreases free radical damage
- Decreases oxyradical damage
- Decreases radiation damage
- Enzyme activation
- Conjugation to heavy metals
- Conjugation to xenobiotics
- Storage of cysteine
- Transport of cysteine
- Regulation of homocysteine
- Redox reduction of other antioxidants
- Substrate for liver detoxification pathways
- Conjugation with cytochrome P450 products
- Resistance to UV radiation
- Regulation of SH (thiol) enzymes
- Maintenance and protection of sulfhydryl groups
- Glyoxylase catalysis
- and more...