

GCLC Antibody

Catalog No: #43004

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

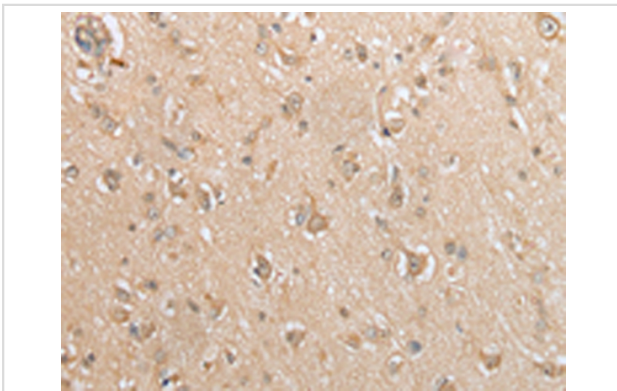
Description

Product Name	GCLC Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total GCLC protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human GCLC
Target Name	GCLC
Other Names	GCL; GCS; GLCL; GLCLC
Accession No.	Swiss-Prot#: P48506 Gene ID: 2729
Uniprot	P48506
GeneID	2729;
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #43004 at dilution 1/35,

Background

Glutamate-cysteine ligase, also known as gamma-glutamylcysteine synthetase is the first rate-limiting enzyme of glutathione synthesis. The enzyme consists of two subunits, a heavy catalytic subunit and a light regulatory subunit. This locus encodes the catalytic subunit, while the regulatory subunit is derived from a different gene located on chromosome 1p22-p21. Mutations at this locus have been associated with hemolytic anemia due to deficiency of gamma-glutamylcysteine synthetase and susceptibility to myocardial infarction.

Note: This product is for in vitro research use only