

## Anti-Glutaminase/GLS Antibody Picoband® (monoclonal, 3G13) Biotin Conjugated

Catalog Number: M01272-3-Biotin

### About GLS

This gene encodes the K-type mitochondrial glutaminase. The encoded protein is a phosphate-activated amidohydrolase that catalyzes the hydrolysis of glutamine to glutamate and ammonia. This protein is primarily expressed in the brain and kidney plays an essential role in generating energy for metabolism, synthesizing the brain neurotransmitter glutamate and maintaining acid-base balance in the kidney. Alternate splicing results in multiple transcript variants.

### Overview

Product Name	Anti-Glutaminase/GLS Antibody Picoband® (monoclonal, 3G13) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 3G13
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	O94925

### Technical Details

Immunogen	E.coli-derived human Glutaminase/GLS recombinant protein (Position: K396-N654).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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