



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Rabbit Anti-GAPDH (N-terminus)

Catalog No.
129-10313

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Synonyms: GAPD

Immunogen: A peptide corresponding to a 16 amino acid sequence from near the amino-terminus of GAPDH.

Antiserum Preparation: Antiserum to human GAPDH (N-Terminal) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Specificity

129-10313 recognizes human glyceraldehyde 3-phosphate dehydrogenase (GAPDH). GAPDH is a major glycolytic enzyme within the cytosol, which is also involved in a number of intracellular processes including membrane fusion, microtubule bundling, phosphotransferase, DNA replication and DNA repair.

Recent studies have suggested that GAPDH may be involved in the cellular phenotype of age-related neurodegenerative disorders such as Alzheimer's and Huntington's disease.

Species Cross Reactivity: Reacts with Mouse, Rat

* Antibody reactivity and working conditions may vary between species.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.02% Sodium Azide (NaN₃)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Immunohistology – Paraffin (1)	•			10ug/ml
Western Blotting (2)	•			0.5 - 1.0ug/ml

Note: Other applications are not tested yet. Optimal dilutions should be determined.

(1) Histology Positive Control Tissue: Human liver tissue. This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

(2) This product detects a band of approximately 40kDa in HeLa cell lysates.

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