

PAA190Ra01

Polyclonal Antibody to Glycated Hemoglobin (HbA1C)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: HbA1C

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

[IMMUNOGEN INFORMATION]

Immunogen: Native Protein.

Accession No.: NPA190Ra01

[RELEVANCE]

The HbA1c shows the average amount of glucose in the blood over a period of 3 months. Sugar in the bloodstream can become attached to the hemoglobin in red blood cells (glycosylation). Once the sugar is attached, it stays there for the life of the red blood cell, which is about 120 days. The higher the level of blood sugar, the more sugar attaches to red blood cells. The HbA1c is formed in a non-enzymatic pathway by hemoglobin's standard exposure to elevated plasma levels of glucose. HbA1c is tested to monitor nephropathy and retinopathy in diabetes mellitus.

[ANTIBODY SPECIFICITY]

The antibody is a rabbit polyclonal antibody raised against HbA1C. It has been selected for its ability to recognize HbA1C in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:50-400

Immunocytochemistry in formalin fixed cells: 1:50-500

Immunohistochemistry in formalin fixed frozen section: 1:50-500

Immunohistochemistry in paraffin section: 1:10-100

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.