

Rabbit anti-Insulin Polyclonal Antibody

Storage: 2-8°C

Catalog No: P9009 1ml
P9009S 0.2ml
P9009U 6ml

Intended Use and Background:

Insulin is a peptide hormone composed of 51 amino acid residues and has a molecular weight of 5808 Da. It is produced in the islets of Langerhans in the pancreas. Insulin enhances membrane transport of glucose, amino acid and certain ions. It promotes glycogen storage, formation of triglycerides and synthesis of proteins and nucleic acids. Lack of insulin causes diabetes mellitus. Insulin is also present in tumors of B cell origin such as insulinoma.

Components:

Rabbit anti-Insulin antibody is total immunoglobulin IgG purified from rabbit. It is stored in PBS buffer pH 7.4 with 1% BSA and 0.05% sodium azide.

Host species: Rabbit
Isotype: Total immunoglobulin IgG
Immunogen: Purified human Insulin
Reacts with: Human, porcine, others not tested

Catalog No.	Format	Size
P9009	Concentrate	1 ml
P9009s	Concentrate	0.2ml
P9009U	Ready-to-use	6ml

Positive Control: Human pancreas

Pretreatment required: Not required

Cellular Localization: Cytoplasmic

Application: immunohistochemistry (IHC).

Recommended Protocol:

For concentrate antibody, the working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-200 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.