

## Insulin Ab

Cat.#: AF5109  
Size: 100ul,200ul

Concn.: 1mg/ml  
Source: Rabbit

Mol.Wt.: 11 kDa  
Clonality: Polyclonal

Application: IHC 1:50-1:200 WB 1:500-1000 IF 1:100-1:500

Reactivity: Human,Mouse,Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: Insulin Ab detects endogenous levels of total Insulin.

Immunogen: A synthesized peptide derived from human Insulin.

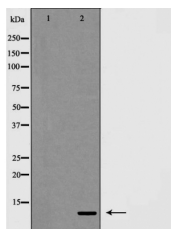
Uniprot: P01308

Description: Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

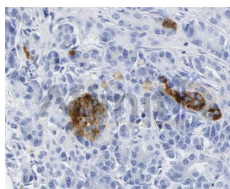
Subcellular Location: Secreted.

Similarity: Belongs to the insulin family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on 293 cell lysate using Insulin Ab, The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry analysis of Insulin Ab in paraffin-embedded human pancreas tissue.



AF5109 staining PC-3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab (Cat.# S0006), diluted at 1/600, was used as secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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