

## Insulin Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10406
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 30-70
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Insulin [Cleaved into: Insulin B chain; Insulin A chain]
<b>Synonyms</b>	Insulin [Cleaved into: Insulin B chain; Insulin A chain]; Insulin [Cleaved into: Insulin B chain; Insulin A chain];

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants.

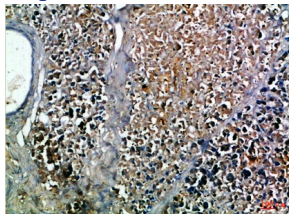
### Recommended Dilution

IHC-p: 1: 50 - 1: 200

ELISA: 1: 10000 - 1: 20000

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Human-pancreas, antibody was diluted at 1:100

### Storage

-20°C for 1 year