

## Product Data Sheet: Insulin Rabbit Polyclonal Antibody

**Cat. No:** AB-84377

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids

1-110 of human INS.

**Reactivity:** Human, Mouse, Rat

Applications: 1:500 - 1:2000 Immunohistochemistry:

1:50 - 1:200 **Immunofluorescence:** 1:50 - 1:200

Molecular Weight: 12kDa

**Purification:** Affinity purification

**Synonyms:** IDDM;IDDM1;IDDM2;ILPR;IRDN;MODY10;INS;Insulin;insulin

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

**Background:** 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.

Form: Liquid

**Buffer:** PBS with 0.02% sodium azide,50% glycerol,pH7.3.

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.