

## PRODUCT DATA SHEET

### Adipophilin Human, Rabbit Polyclonal Antibody

**Cat. No.:** RD181161100**Size:** 0.1 mg**Source of Antigen:** E. coli**Type:** Polyclonal Antibody**Host:** Rabbit**Other Names:**

Perilipin-2, Adipose differentiation-related protein, ADRP, PLIN2, ADFP

**Preparation:**

The antibody was raised in rabbits by immunization with the recombinant Human Adipophilin.

**Amino Acid Sequence of Immunogen:**

The immunization antigen (49.03 kDa ) is a protein containing 444 AA of recombinant Human Adipophilin. N-Terminal His-tag, 8 extra AA.

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MKHHHHHHAS VAVDPQPSVV TRVVNLPLVS STYDLMSSAY LSTKDQYPYL KSVCEMAENG
VKTITSVAMT SALPIIQKLE PQIAVANTYA CKGLDRIEER LPILNQ PSTQ IVANAKGAVT
GAKDAVTTTV TGAKDSVAST ITGVMDKTKG AVTGSVEKTK SVVSGSINTV LGSRRMMQLVS
SGVENALTKS ELLVEQYLP L TEEELEKEAK KVEGF DLVQK PSYYVRLGSL STKLHSRAYQ
QALSRVKEAK QKSQQTISQL HSTVHLIEFA RKNVYSANQK IQDAQDKLYL SWVEWKRSIG
YDDTDESHCA EHIESRTLAI ARNLTQQLQT TCHTLLSNIQ GVPQNIQDQA KHMGMAGDI
YSVFRNAASF KEVSDSLLTS SKGQLQKMKE SLDDVMDYLV NNTPLNWLVG PFYPQLTESQ
NAQDQGAEMD KSSQETQRSE HKTH
```

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human Adipophilin.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.1 mg (determined by BCA method, BSA was used as a standard).

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2.

**Reconstitution:**

Add 0.2 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C. Quality Control Test

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

ELISA, Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.