



( )

\*

Acrp30 Adipo Q apM1 GBP-28 :: \_\_\_\_\_

( = )

**HDL** **LDL** : \_\_\_\_\_  
( = )

( / ± / )  
(BMI)

( / ± / ) : \_\_\_\_\_  
**LDL** .(P< / )  
**HDL**

: \_\_\_\_\_

// : // :

(.)  
 (Ryan) ( )  
 ( ) : )  
 ) ( ) TNF α  
 ( ) aPMI cDNA  
 q  
 .( )

(BMI) .( )

) AMPK  
 (AMP  
 .( )

.( )

3q27

mRNA

( ) .( )

°C

( ) Biovondor

<sup>1</sup> Adipose most abundant Gene transcript



/

/

.( )

(Mantzores)

(BMI)

LDL-C

) (P< / )

HDL

.(

.( )

)

HDL

.(P< / r= / )

(

.( )

LDL

HbA1c

(CRP)

HDL

(Matsubara)

LDL

) Lypotype

HDL

(BMI)

HDL

ApoB

( LDL

.( )

( )

.( )

.( )

(BMI)

(BMI)

.( )

(BMI)

( )

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