

## Summary

<b>Production Name</b>	AR- $\beta$ 3 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	ADRB3
<b>Alternative Names</b>	ADRB3; ADRB3R; B3AR; Beta-3 adrenergic receptor; Beta-3 adrenoreceptor; Beta-3 adrenoceptor
<b>Gene ID</b>	155.0
<b>SwissProt ID</b>	P13945.The antiserum was produced against synthesized peptide derived from human ADRB3. AA range:250-299

## Application

<b>Dilution Ratio</b>	WB 1:500-2000, IF-P/IF-F/ICC/IF 1:100-300, ELISA 1:5000-20000, Not yet tested in other applications.
<b>Molecular Weight</b>	36kDa

**Product Name: AR- $\beta$ 3 Rabbit Polyclonal Antibody**  
**Catalog #: APRab07197**



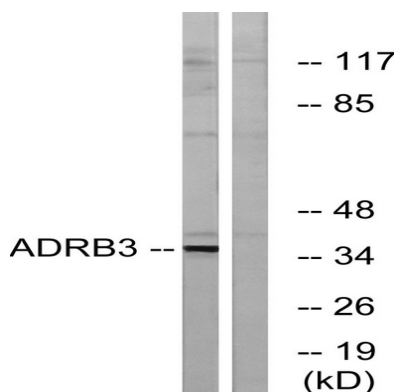
## Background

The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. [provided by RefSeq, Feb 2009],function:Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. Beta-3 is involved in the regulation of lipolysis and thermogenesis.,polymorphism:The variant Arg-64 seems to be associated with weight gain (obesity) and to is also associated with susceptibility to non-insulin-dependent diabetes mellitus (NIDDM),similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed mainly in adipose tissues.,

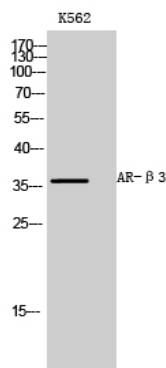
## Research Area

Calcium;Neuroactive ligand-receptor interaction;Endocytosis;

## Image Data



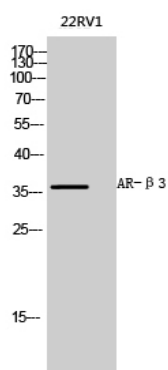
Western blot analysis of lysates from K562 cells, using ADRB3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of K562 cells using AR- $\beta$ 3 Polyclonal Antibody diluted at 1: 1000

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Western Blot analysis of 22RV1 cells using AR- $\beta$ 3 Polyclonal Antibody diluted at 1 : 1000

### **Note**

For research use only.