# antibodies - online.com







## anti-ADCY6 antibody (C-Term)





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Overview	
Quantity:	100 μL
Target:	ADCY6
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Pig, Horse, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADCY6 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ADCY6

Target Details

Target:

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ADCY6	
Sequence:	LIYLVLLLLG PPATIFDNYD LLLGVHGLAS SNETFDGLDC PAAGRVALKY	
Predicted Reactivity:	Cow: 100%, Dog: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%	
Characteristics:	This is a rabbit polyclonal antibody against ADCY6. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

ADCY6

#### **Target Details**

Alternative Name:	ADCY6 (ADCY6 Products)	
Background:	ADCY6 is adenylate cyclase 6, which is a membrane-associated enzyme and catalyzes the	
	formation of the secondary messenger cyclic adenosine monophosphate (cAMP). The	
	expression of ADCY6 is found in normal thyroid and brain tissues, as well as some tumors, and	
	its expression is significantly higher in one hyperfunctioning thyroid tumor than in normal	
	thyroid tissue. This gene encodes adenylate cyclase 6, which is a membrane-associated	
	enzyme and catalyzes the formation of the secondary messenger cyclic adenosine	
	monophosphate (cAMP). The expression of this gene is found in normal thyroid and brain	
	tissues, as well as some tumors, and its expression is significantly higher in one	
	hyperfunctioning thyroid tumor than in normal thyroid tissue. Alternative splicing generates 2	
	transcript variants.	
	Alias Symbols: DKFZp779F075, KIAA0422, AC6	
	Protein Interaction Partner: Gnb1, ATXN1, UBC, RAF1, GNAS, CHRNA7,	
	Protein Size: 1115	
Molecular Weight:	125 kDa	
Gene ID:	112	
NCBI Accession:	NM_020983, NP_066193	
UniProt:	043306	
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Thyroid Hormone Synthesis, cAMP	
	Metabolic Process, Myometrial Relaxation and Contraction, G-protein mediated Events,	
	Interaction of EGFR with phospholipase C-gamma	

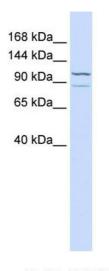
### **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1115 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	uffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	

#### Handling

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Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

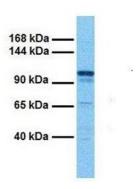
#### **Images**



#### **Western Blotting**

Image 1. WB Suggested Anti-ADCY6 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Hela cell lysate

# ADCY6



#### **Western Blotting**

Image 2. Host: Rabbit Target Name: ADCY6 Sample Tissue: Human Fetal Kidney Antibody Dilution: 1.0ug/ml