

Summary

Production Name	ADCY5/6 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	ADCY5/ADCY6 ADCY5; Adenylate cyclase type 5; ATP pyrophosphate-lyase 5; Adenylate cyclase type
Alternative Names	V; Adenylyl cyclase 5; ADCY6; KIAA0422; Adenylate cyclase type 6; ATP pyrophosphate-lyase 6; Adenylate cyclase type VI; Adenylyl cyclase 6; Ca(2+)-inhibitabl
Gene ID	111/112
SwissProt ID	O95622/O43306

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000
Molecular Weight	Calculated MW: 139 kDa; Observed MW: 139 kDa

Product Name: ADCY5/6 Rabbit Polyclonal Antibody
Catalog #: APRab00392



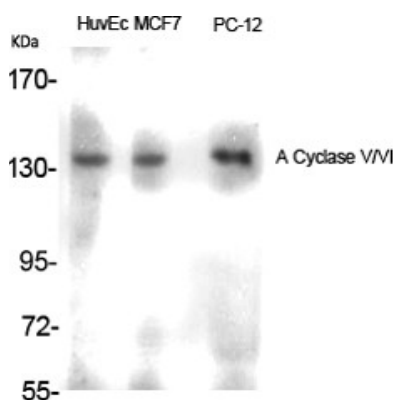
Background

ADCY5 encodes a member (adenylate cyclase 5) of the membrane-bound adenylyl cyclase enzymes. Adenylyl cyclases mediate G protein-coupled receptor signaling through the synthesis of the second messenger cAMP. Activity of the encoded protein is stimulated by the Gs alpha subunit of G protein-coupled receptors and is inhibited by protein kinase A, calcium and Gi alpha subunits. Single nucleotide polymorphisms in this gene may be associated with low birth weight and type 2 diabetes. Alternatively spliced transcript variants that encode different isoforms have been observed for ADCY5.

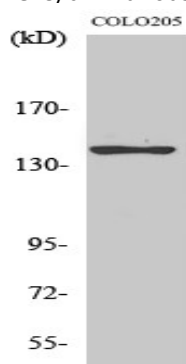
Research Area

Signal Transduction

Image Data

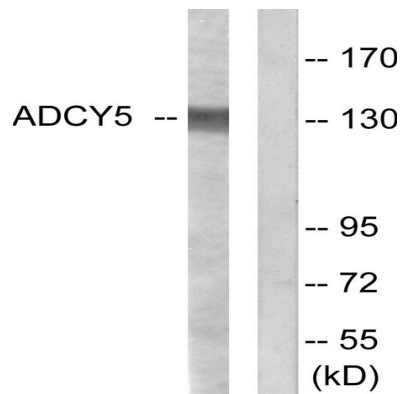


Western blot analysis of ADCY5/6 in various lysates using ADCY5/6 antibody.

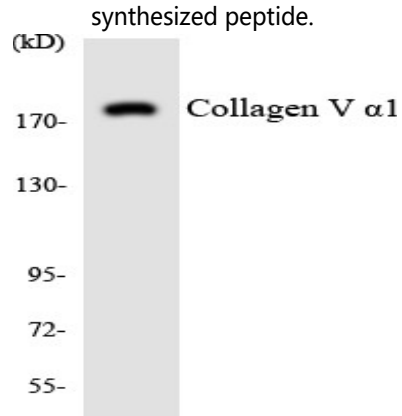


Western blot analysis of ADCY5/6 in COLO205 lysates using A Cyclase V/VI antibody.

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Western blot analysis of ADCY5/6 in COLO25 lysates using ADCY5/6 antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of ADCY5/6 in HUVEC lysates using ADCY5/6 antibody.

Note

For research use only.