10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

A Cyclase IX Polyclonal Antibody

Catalog # AP68214

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O60503
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	150701

Additional Information

Gene ID	115
Other Names	ADCY9; KIAA0520; Adenylate cyclase type 9; ATP pyrophosphate-lyase 9; Adenylate cyclase type IX; Adenylyl cyclase 9
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

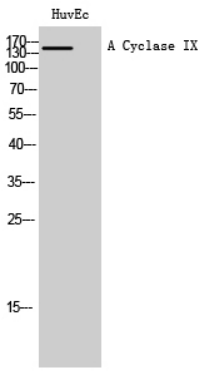
Protein Information

Name	ADCY9
Synonyms	KIAA0520
Function	Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein-coupled receptors (PubMed:10987815, PubMed:12972952, PubMed:15879435, PubMed:9628827). Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and beta-adrenergic receptors (PubMed:9628827).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in skeletal muscle, pancreas, lung, heart, kidney, liver, brain and placenta (PubMed:10987815, PubMed:9628827) Expressed in multiple cells of the lung, with expression highest in airway smooth muscle (PubMed:12972952).

Background

Adenylyl cyclase that catalyzes the formation of the signaling molecule cAMP in response to activation of G protein- coupled receptors (PubMed:9628827, PubMed:12972952, PubMed:15879435, PubMed:10987815). Contributes to signaling cascades activated by CRH (corticotropin-releasing factor), corticosteroids and beta-adrenergic receptors (PubMed:9628827).

Images



Western Blot analysis of HuvEc cells using A Cyclase IX Polyclonal Antibody diluted at 1：1000