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Anti-Alpha-1D Adrenergic Receptor Antibody

Rabbit Polyclonal Antibody
Catalog # ABV11858

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P25100
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60463

Additional Information

Gene ID	146
Positive Control	WB: MCSF7, RAW264.7, H9C2 cell lysate
Application & Usage	WB; 1:500 – 1:2000, IHC; 1:50 – 1:200, IF/IC; 1:50 – 1:100
Alias Symbol	ADRA1D
Other Names	ADRA1A, Alpha-1D adrenergic receptor, Alpha-1A adrenergic receptor, Alpha-1D adrenoreceptor; Alpha-1D adrenoceptor, Alpha-adrenergic receptor 1a
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Alpha-1D Adrenergic Receptor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADRA1D (HGNC:280)
Synonyms	ADRA1A
Function	Alpha-1 adrenergic receptors are G protein-coupled receptors for catecholamines that signal through the G(q) family of G proteins, including G(q) and G(11). Upon activation, they stimulate the phosphatidylinositol-calcium second messenger pathway, leading to calcium release from intracellular stores and activation of protein kinase C

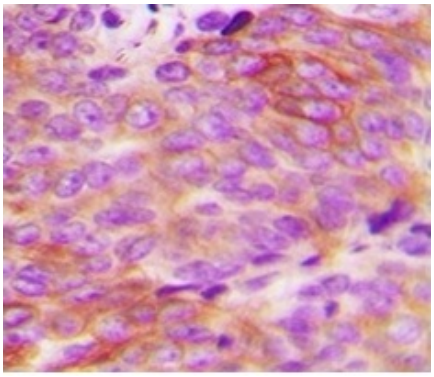
(PubMed:7746284). ADRA1D binds the catecholamine ligands norepinephrine and epinephrine (PubMed:7815325, PubMed:8024574, PubMed:8183249).

Cellular Location Cell membrane; Multi-pass membrane protein.

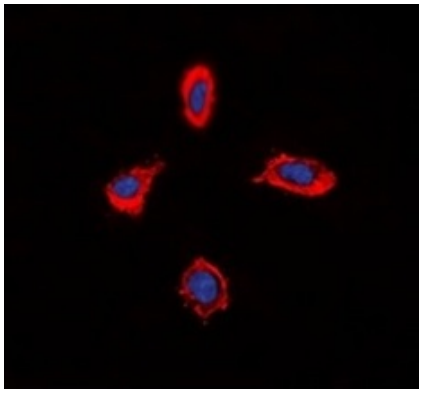
Background

This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium.

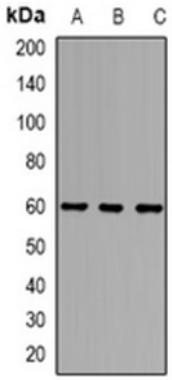
Images



Immunohistochemical analysis of Alpha-1D Adrenergic Receptor staining in H.breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of alpha-1D adrenergic receptor staining in MCF7 cells.



Western blot analysis of alpha-1D adrenergic receptor expression in MCF7(A); RAW264.7(B); H9C2(C) whole cell lysates.