



# AR- $\alpha$ 1D rabbit pAb

Cat No.:ES4864

For research use only

## Overview

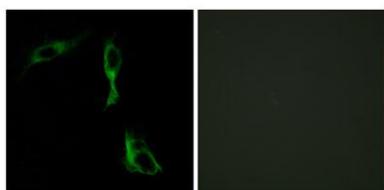
<b>Product Name</b>	AR- $\alpha$ 1D rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ADRA1D. AA range:451-500
<b>Specificity</b>	AR- $\alpha$ 1D Polyclonal Antibody detects endogenous levels of AR- $\alpha$ 1D protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Alpha-1D adrenergic receptor
<b>Gene Name</b>	ADRA1D
<b>Cellular localization</b>	Cell membrane; Multi-pass membrane protein.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	146
<b>Human Swiss-Prot Number</b>	P25100
<b>Alternative Names</b>	ADRA1D; ADRA1A; Alpha-1D adrenergic receptor; Alpha-1A adrenergic receptor; Alpha-1D adrenoreceptor; Alpha-1D adrenoceptor; Alpha-adrenergic receptor 1a
<b>Background</b>	Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and





regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1D-adrenergic receptor. Similar to alpha-1B-adrenergic receptor gene, this gene comprises 2 exons and a single intron that interrupts the coding region. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of HeLa cells, using ADRA1D Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ADRA1D Antibody. The picture on the right is blocked with the synthesized peptide.

