

ADRA1D Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10004**Specification**

ADRA1D Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	P25100
Reactivity	Human, Rabbit, Monkey, Pig, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa
Dilution	IHC-P ~ N/A

ADRA1D Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 146**Other Names**

Alpha-1D adrenergic receptor, Alpha-1A adrenergic receptor, Alpha-1D adrenoreceptor, Alpha-1D adrenoceptor, Alpha-adrenergic receptor 1a, ADRA1D, ADRA1A

Target/Specificity

Human ADRA1D. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

ADRA1D Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA1D Antibody (Cytoplasmic Domain) - 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](http://www.uniprot.org/citations/7746284)). ADRA1D binds the catecholamine ligands norepinephrine and epinephrine (PubMed:[7815325](http://www.uniprot.org/citations/7815325), PubMed:[7815325](http://www.uniprot.org/citations/7815325)).

[8024574](http://www.uniprot.org/citations/8024574), PubMed: [8183249](http://www.uniprot.org/citations/8183249)).

Cellular Location

Cell membrane; Multi-pass membrane protein.

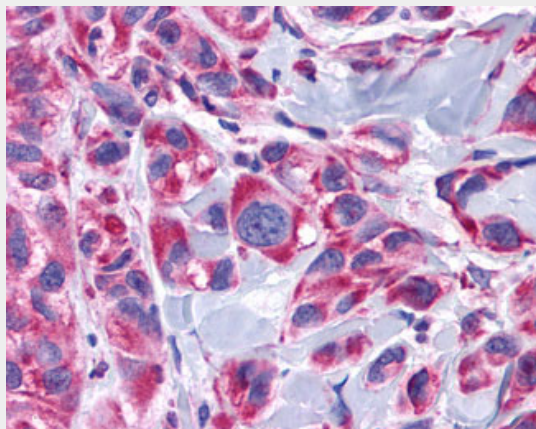
Volume

50 µl

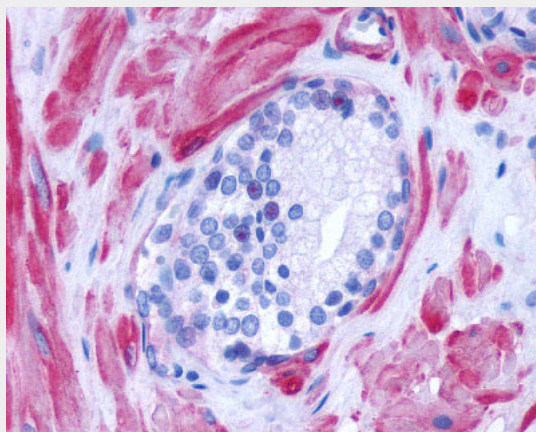
ADRA1D Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ADRA1D Antibody (Cytoplasmic Domain) - Images

Anti-ADRA1D antibody IHC of human Skin, Melanoma.



Anti-ADRA1D antibody ALS10004 IHC of human prostate.

ADRA1D Antibody (Cytoplasmic Domain) - Background

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

ADRA1D Antibody (Cytoplasmic Domain) - References

Bruno J.F.,et al.Biochem. Biophys. Res. Commun. 179:1485-1490(1991).
Forray C.,et al.Mol. Pharmacol. 45:703-708(1994).
Schwinn D.A.,et al.J. Pharmacol. Exp. Ther. 272:134-142(1995).
Weinberg D.H.,et al.Biochem. Biophys. Res. Commun. 201:1296-1304(1994).
Esbenshade T.A.,et al.Mol. Pharmacol. 47:977-985(1995).