

# Alpha-2a Adrenergic Receptor Recombinant Rabbit Monoclonal Antibody (3H29L10)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	3H29L10
Conjugate	Unconjugated
Immunogen	Peptides corresponding to human Alpha-2a Adrenergic Receptor [1) aa225-aa238 2) aa180-aa194]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2762396

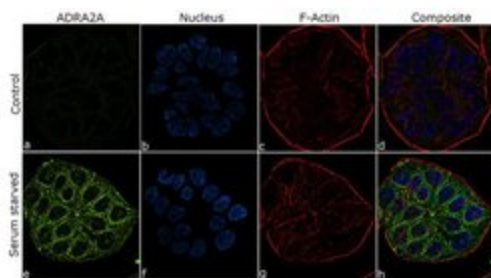
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:100	-
Immunofluorescence (IF)	1:100	-

## Product Specific Information

This antibody is predicted to react with Monkey, Cat, Pig, Mouse.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

## Advanced Verification Data



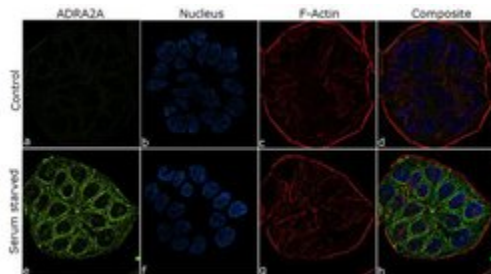
### Alpha-2a Adrenergic Receptor Antibody (703636)

Detection of subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Alpha-2a Adrenergic Receptor using Anti-Alpha-2a Adrenergic Receptor Recombinant Rabbit Monoclonal Antibody (Product # 703636) detects Alpha-2a Adrenergic Receptor in cytoplasm and membrane of serum-starved HEK-293 cells in comparison to control cells. Cell treatment validation info.

## Product Images For Alpha-2a Adrenergic Receptor Recombinant Rabbit Monoclonal Antibody (3H29L10)

### Alpha-2a Adrenergic Receptor Antibody (703636) in IF

For immunofluorescence analysis, HEK-293 cells were fixed and permeabilized for detection of endogenous Alpha-2a Adrenergic Receptor using Anti-Alpha-2a Adrenergic Receptor Recombinant Rabbit Monoclonal Antibody (Product # 703636, 1:100 dilution) and labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Nuclei (blue) were stained using ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962) and cytoskeletal F-actin (red) staining using Rhodamine Phalloidin (Product # R415, 1:300) Panel a-d) shows representative control cells that were stained for detection and localization of Alpha-2a Adrenergic Receptor protein (green) with reduced signal compared to panel e-h) clearly demonstrating enhanced cytoplasmic and membrane localisation of Alpha-2a Adrenergic Receptor in serum-starved (48h) HEK-293 cells. The images were captured at 60X magnification.



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