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Anti-Arrestin-C ARR3 Antibody

Catalog Number: A06100

About ARR3

Arrestin 3 (ARR3) belongs to the Arrestin family of proteins that function as negative regulators of G protein-coupled receptor (GPCR) signaling (1,2). ARR3 binds the c-Jun N-terminal kinase 3 (JNK3) and scaffolds the apoptosis signal-regulating kinase 1 (ASK1)-MAPK kinase4-JNK3 cascade in a receptor-independent fashion, promoting JNK3 phosphorylation (3,4). ARR3 also mediates the internalization of the C-C chemokine receptor CCR7 upon the binding of its ligand CCL19, but not CCL21, suggesting that it helps mediate CCR7 receptor desensitization (5).

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Overview

Product Name	Anti-Arrestin-C ARR3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Arrestin-C ARR3 Antibody (Catalog # A06100). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ARR3 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ARR3 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P36575

Technical Details

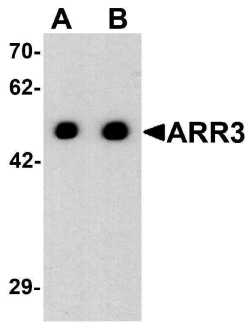
Immunogen	ARR3 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human ARR3. The immunogen is located within the last 50 amino acids of ARR3.
Predicted Reactive Species	Bovine
Cross Reactivity	ARR3 antibody is human, mouse and rat reactive. At least three isoforms of ARR3 are known to exist. This antibody is predicted to not cross-react with other members of the arrestin protein family.

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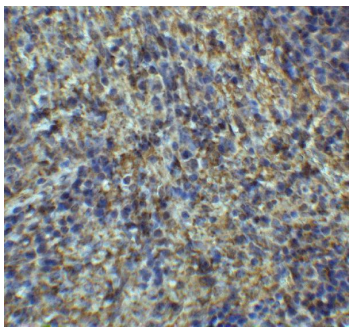
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ARR3 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ARR3 antibody can be used for detection of ARR3 by Western blot at 0.5 - 1 ug/ml. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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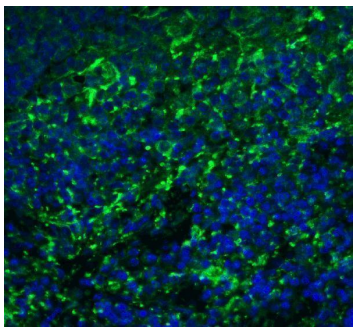
Anti-Arrestin-C ARR3 Antibody (A06100) Images



Western blot analysis of ARR3 in EL4 cell lysate with ARR3 antibody at (A) 0.5 and (B) 1 ug/ml.



Immunohistochemistry of ARR3 in mouse spleen tissue with ARR3 antibody at 2 ug/ml.



Immunofluorescence of ARR3 in mouse spleen tissue with ARR3 antibody at 20 ug/ml.Green: ARR3 Antibody (A06100) Blue: DAPI staining

Anti-Arrestin-C ARR3 Antibody

For Research Use Only. Not for use in diagnostic procedures.