

Anti-ADIPOR1 Antibody

Catalog Number: A01869-1

About ADIPOR1

Cleavable component of the cohesin complex, involved in chromosome cohesion during cell cycle, in DNA repair, and in apoptosis. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At metaphase-anaphase transition, this protein is cleaved by separase/ESPL1 and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis. Also plays a role in apoptosis, via its cleavage by caspase-3/CASP3 or caspase-7/CASP7 during early steps of apoptosis: the C-terminal 64 kDa cleavage product may act as a nuclear signal to initiate cytoplasmic events involved in the apoptotic pathway.

McKay M.J., Genomics 36:305-315(1996).

Sadano H., Biochem. Biophys. Res. Commun. 267:418-422(2000).

Nomura N., DNA Res. 1:223-229(1994).

Overview

Product Name	Anti-ADIPOR1 Antibody
Reactive Species	Human, Mouse, Rat, Zebrafish
Description	Boster Bio Anti-ADIPOR1 Antibody catalog # A01869-1. Tested in WB,ICC/IF,IHC,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat,zebrafish.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q96A54

Technical Details

Immunogen	Synthesized peptide derived from internal of human RAD21.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	ProA affinity purified
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:1,000-1:5,000 ICC: 1:50-1:200 IHC: 1:50-1:200 FC: 1:50-1:100

Anti-ADIPOR1 Antibody (A01869-1) Images

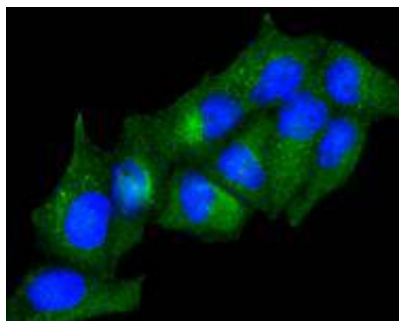


Figure 2. Immunocytochemistry staining of ADIPOR1 using Anti-ADIPOR1 Antibody (A01869-1).

ICC staining ADIPOR1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

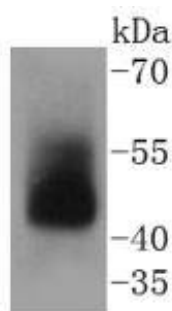


Figure 1. Western blotting validation for Anti-ADIPOR1 Antibody A01869-1

Western blot analysis of ADIPOR1 on human skeletal muscle lysates using anti-ADIPOR1 antibody at 1/1

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