

Anti-A-kinase anchor protein 8 AKAP8 Antibody

Catalog Number: A05133-1

About AKAP8

Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of ion transport in the distal nephron. The BCR(KLHL3) complex acts by mediating ubiquitination of WNK4, an inhibitor of potassium channel KCNJ1, leading to WNK4 degradation.

Lai F., Genomics 66:65-75(2000).

Hirosawa M., DNA Res. 6:329-336(1999).

Ota T., Nat. Genet. 36:40-45(2004).

Overview

Product Name	Anti-A-kinase anchor protein 8 AKAP8 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-A-kinase anchor protein 8 AKAP8 Antibody catalog # A05133-1. Tested in WB,IHC,ICC applications. This antibody reacts with Human,Mouse,Rat.
Application	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	O43823

Technical Details

Immunogen	Recombinant protein
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

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: 1:500-1:1000

IHC: 1:50-1:200

ICC: 1:50-1:200

Anti-A-kinase anchor protein 8 AKAP8 Antibody (A05133-1) Images

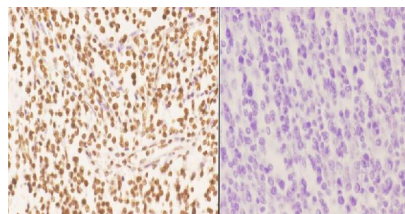


Figure 2. Immunohistochemistry validation of AKAP8 using Anti-A-kinase anchor protein 8 AKAP8 Antibody (A05133-1).

Immunohistochemistry (IHC) analyzes of AKAP8 pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50, showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody

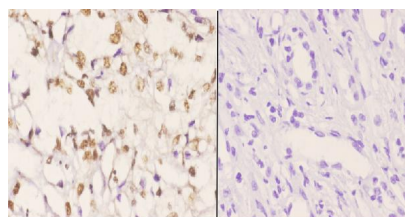


Figure 3. Immunohistochemistry validation of AKAP8 using Anti-A-kinase anchor protein 8 AKAP8 Antibody (A05133-1).

Immunohistochemistry (IHC) analyzes of AKAP8 pAb in paraffin-embedded human kidney carcinoma tissue at 1:50, showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody

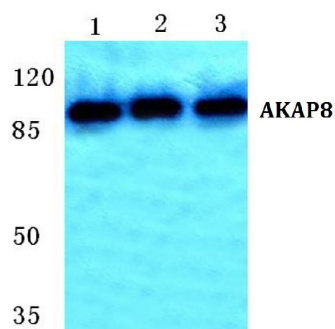


Figure 1. Western blotting validation for Anti-A-kinase anchor protein 8 AKAP8 Antibody A05133-1

Western blot (WB) analysis of AKAP8 polyclonal antibody at 1:500 dilution

Lane1:HepG2 cell lysate

Lane2:Mouse kidney tissue lysate

Lane3:Rat kidney tissue lysate

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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Anti-A-kinase anchor protein 8 AKAP8 Antibody