

Product Name: KD-Validated ADD1 Mouse Oligoclonal Antibody**Catalog #: KVA00373**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,IHC-P
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG
Clonality	Mouse oligoclonal antibody
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; Immunohistochemistry-Paraffin(IHC-P): 1:100-1:200
Molecular Weight	Calculated MW: 81.0kDa

Antigen Information

Gene Name	ADD1
Alternative Names	ADD1; Adducin 1; Alpha-Adducin; Adducin 1 (Alpha); ADDA; Erythrocyte Adducin Alpha Subunit; Erythrocyte Adducin Subunit Alpha; Alpha-Adducin 1
Gene ID	118.0
SwissProt ID	P35611
Immunogen	Recombinant protein of human ADD1

Background

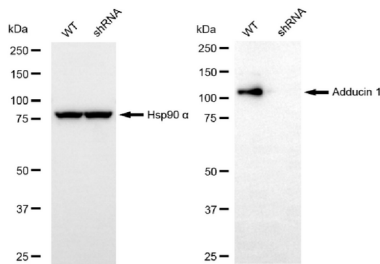
Adducins are a family of cytoskeletal proteins encoded by three genes (alpha, beta, and gamma). Adducin acts as a heterodimer of the related alpha, beta, or gamma subunits. The protein encoded by this gene represents the alpha subunit. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Adducin binds

with high affinity to Ca^{2+} /calmodulin and is a substrate for protein kinases A and C. [provided by RefSeq, Aug 2017]

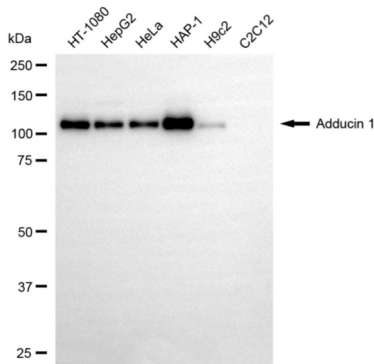
Research Area

Tags & Cell Markers, Signal Transduction

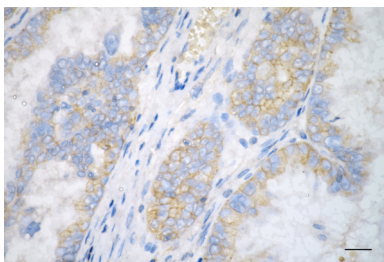
Image Data



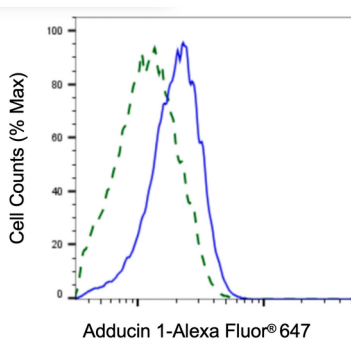
Western blotting analysis using adducin 1 antibody (KVA00373). Adducin 1 expression in wild-type (WT) and adducin 1 (ADD1) shRNA knockdown (KD) HT-1080 cells with 20 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with adducin 1 antibody (KVA00373, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using adducin 1 antibody (KVA00373). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with adducin 1 antibody (KVA00373, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human ovarian carcinoma using adducin 1 antibody (KVA00373, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40 $\times$ objective). Scale bar: 25 μm .



Validation of Adducin 1 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HT-1080 cells were stained with Adducin 1 antibody (KVA00373, 1:2,000) and analyzed using BD flow cytometer.