

Anti-CD44 Rabbit Monoclonal Antibody

Catalog Number: M00052-1

About CD44

Phosphoinositide-3-kinase (PI3K) that phosphorylates PtdIns (Phosphatidylinositol), PtdIns4P (Phosphatidylinositol 4-phosphate) and PtdIns (4,5) P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3). PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Participates in cellular signaling in response to various growth factors.

Overview

Product Name	Anti-CD44 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-CD44 Rabbit Monoclonal Antibody catalog # M00052-1. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal AGI-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	P16070

Technical Details

Immunogen	A synthesized peptide derived from human CD44
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
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:

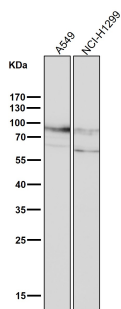
WB 1:500-1:2000

IHC 1:50-1:200

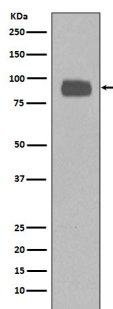
ICC/IF 1:50-1:200

FC 1:50

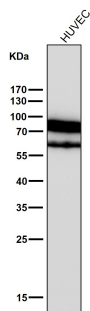
Anti-CD44 Rabbit Monoclonal Antibody (M00052-1) Images



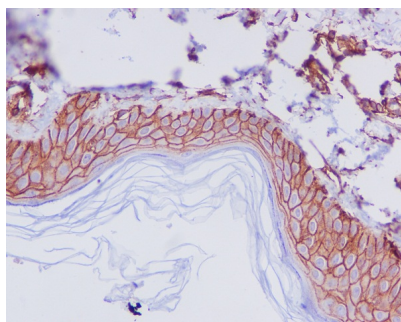
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of CD44 expression in TF-1 cells lysate.

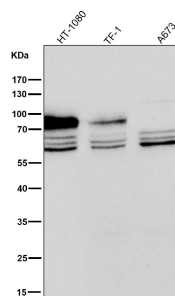


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human skin, using CD44 Antibody.

All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



8 Publications Citing This Product

1. PubMed ID: -, Wu,H.,Jiang,X.,Li,Y.,Zhou,Y.,Zhang,T.,Zhi,P.,Gao,J.,Engineering Stem Cell Derived Biomimetic Vesicles for Versatility and Effective Targeted Delivery.Adv. Funct.Mater.2020, 30, 2006169.https://doi.org/10.1002/adfm.202006169
2. PubMed ID: 32869841, Zhang GF,Wu JC,Wang HY,Jiang WD,Qiu L. Overexpression of microRNA-205-5p exerts suppressive effects on stem cell drug resistance in gallbladder cancer by down-regulating PRKCE. Biosci Rep.2020 Sep 30;40(9): BSR20194509.doi:10.1042/BSR20194509.PMID: 328698
3. PubMed ID: 33375383, Kubatka P,Kello M,Kajo K,Samec M,Liskova A,Jasek K,Koklesova L,Kuruc T,Adamkov M,Smejkal K,Svajdlenka E,Solar P,Pec M,Büsselberg D,Sadlonova V,Mojzis J.Rhus coriaria L.(Sumac) Demonstrates Oncostatic Activity in the Therapeutic and Preventive Model of Bre

Visit bosterbio.com/anti-cd44-rabbit-monoclonal-antibody-m00052-1-boster.html to see all 8 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CD44 Rabbit Monoclonal Antibody