ARG56991
anti-CRABP1 antibody [1A1]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1A1] recognizes CRABP1
Tested Reactivity	Hu, Ms
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	1A1
Isotype	IgG2b, kappa
Target Name	CRABP1
Species	Human
Immunogen	Recombinant fragment around aa. 1-137 of Human CRABP1.
Conjugation	Un-conjugated
Alternate Names	CRABP; Cellular retinoic acid-binding protein I; CRABP-I; RBP5; Cellular retinoic acid-binding protein 1; CRABPI

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

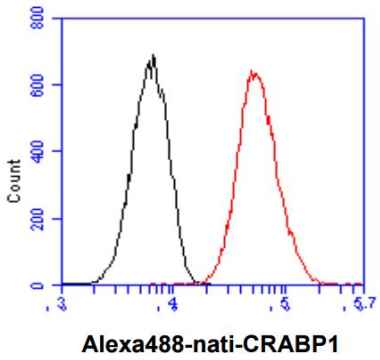
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

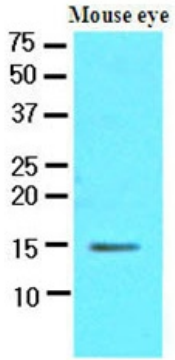
Database links	GeneID: 12903 Mouse GeneID: 1381 Human Swiss-port # P29762 Human Swiss-port # P62965 Mouse
Gene Symbol	CRABP1
Gene Full Name	cellular retinoic acid binding protein 1
Background	This gene encodes a specific binding protein for a vitamin A family member and is thought to play an important role in retinoic acid-mediated differentiation and proliferation processes. It is structurally similar to the cellular retinol-binding proteins, but binds only retinoic acid at specific sites within the nucleus, which may contribute to vitamin A-directed differentiation in epithelial tissue. [provided by RefSeq, Jul 2008]
Function	Cytosolic CRABPs may regulate the access of retinoic acid to the nuclear retinoic acid receptors. [UniProt]
Calculated Mw	16 kDa

Images



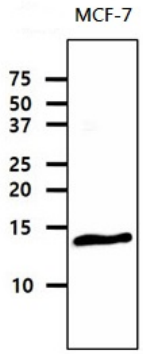
ARG56991 anti-CRABP1 antibody [1A1] FACS image

Flow Cytometry: Balb/3T3 cell line stained with ARG56991 anti-CRABP1 antibody [1A1] at 2-5 µg for 1x10^6 cells (red line). Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was Mouse IgG (black line).



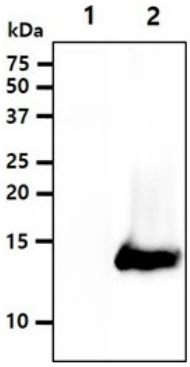
ARG56991 anti-CRABP1 antibody [1A1] WB image

Western blot: 30 µg of Mouse eye lysate stained with ARG56991 anti-CRABP1 antibody [1A1] at 1:500.



ARG56991 anti-CRABP1 antibody [1A1] WB image

Western blot: 40 µg of MCF-7 cell lysate stained with ARG56991 anti-CRABP1 antibody [1A1] at 1:500.



ARG56991 anti-CRABP1 antibody [1A1] WB image

Western blot: 20 µg of 1) 293T cell lysate, 2) CRABP1 transfected 293T cell lysate stained with ARG56991 anti-CRABP1 antibody [1A1] at 1:500.