

Recombinant Anti-CRABP2 Rabbit mAb

Catalog # AP95144

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P29373
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	15693

Additional Information

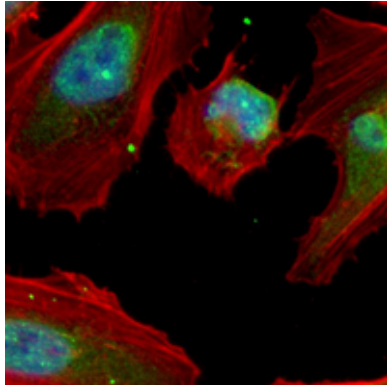
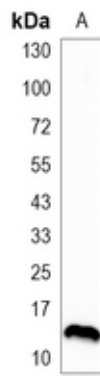
Gene ID	1382
Other Names	Cellular retinoic acid-binding protein 2; Cellular retinoic acid-binding protein II; CRABP-II
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human CRABP2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CRABP2
Function	Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.
Cellular Location	Cytoplasm. Endoplasmic reticulum. Nucleus. Note=Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus

Images

Western blot analysis of CRABP2 expression in MCF7 (A) whole cell lysates. (Predicted band size: 16 kD; Observed band size: 14 kD)



Immunofluorescent analysis of CRABP2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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