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Anti-CRABP2 Antibody

Catalog # AP51114

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P29373
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
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 the center region of human CRABP2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

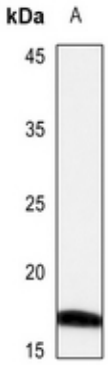
Name	CRABP2
Function	Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.
Cellular Location	Cytoplasm. Endoplasmic reticulum. Nucleus. Note=Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein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

References

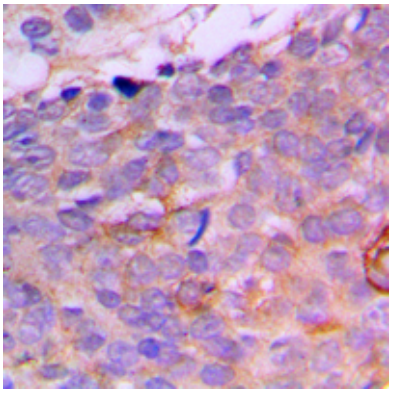
Astroem A.,et al.J. Biol. Chem. 266:17662-17666(1991).
Eller M.S.,et al.Exp. Cell Res. 198:328-336(1992).
Aastroem A.,et al.J. Biol. Chem. 267:25251-25255(1992).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.

Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

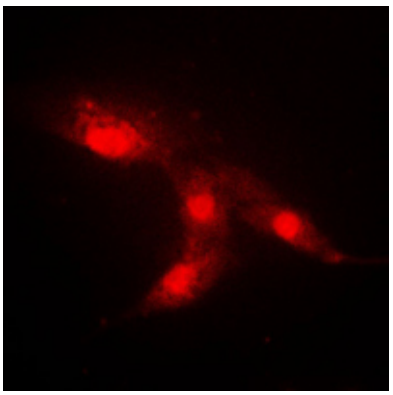
Images



Western blot analysis of CRABP2 expression in Hela (A) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 16 kD)



Immunohistochemical analysis of CRABP2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CRABP2 staining in HeLa 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 a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.