

CRABP-II Polyclonal Antibody

Catalog No :	YT1094
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	CRABP-II
Gene Name :	CRABP2
Protein Name :	Cellular retinoic acid-binding protein 2
Human Gene Id :	1382
Human Swiss Prot No :	P29373
Mouse Gene Id :	12904
Mouse Swiss Prot No :	P22935
Rat Gene Id :	1.00912e+008
Rat Swiss Prot No :	P51673
Immunogen :	The antiserum was produced against synthesized peptide derived from human CRABP2. AA range:41-90
Specificity :	CRABP-II Polyclonal Antibody detects endogenous levels of CRABP-II protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 16kD

Background : This gene encodes a member of the retinoic acid (RA, a form of vitamin A) binding protein family and lipocalin/cytosolic fatty-acid binding protein family. The protein is a cytosol-to-nuclear shuttling protein, which facilitates RA binding to its cognate receptor complex and transfer to the nucleus. It is involved in the retinoid signaling pathway, and is associated with increased circulating low-density lipoprotein cholesterol. Alternatively spliced transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Dec 2010],

Function : domain:Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.,function:Transports retinoic acid to the nucleus. Regulates the access of retinoic acid to the nuclear retinoic acid receptors.,induction:By retinoic acid.,similarity:Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.,subcellular location:Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.,subunit:Interacts with RXR and RARA (By similarity). Interacts with importin alpha.,

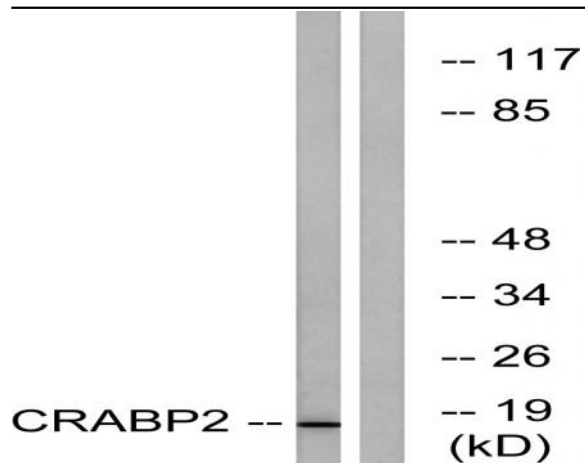
Subcellular Location : Cytoplasm. Endoplasmic reticulum. Nucleus. Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.

Expression : Colon,Placenta,

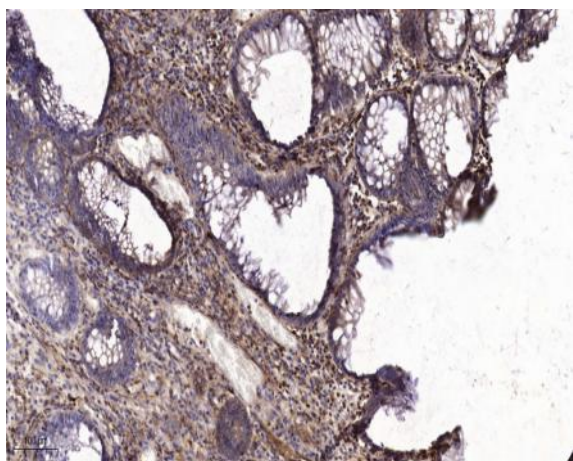
Products Images



Western Blot analysis of various cells using CRABP-II Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using CRABP2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human colon cancer. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).