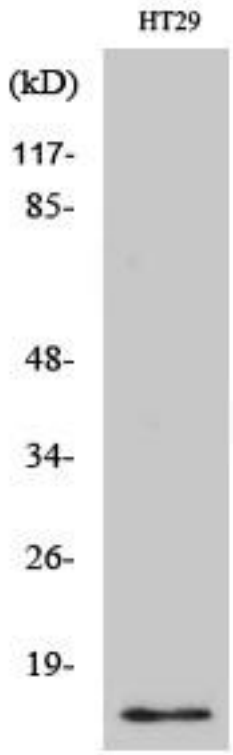
CRABP-II Monoclonal Antibody

Catalog No	YP-mAb-00689
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CRABP2
Protein Name	Cellular retinoic acid-binding protein 2
Immunogen	The antiserum was produced against synthesized peptide derived from human CRABP2. AA range:41-90
Specificity	CRABP-II Monoclonal Antibody detects endogenous levels of CRABP-II protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CRABP2; Cellular retinoic acid-binding protein 2; Cellular retinoic acid-binding protein II; CRABP-II
Observed Band	16kD
Cell Pathway	Cytoplasm. Endoplasmic reticulum. Nucleus. Upon ligand binding, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus.
Tissue Specificity	Colon,Placenta,
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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