

For Research Use Only

CRABP1 Polyclonal antibody

Catalog Number: 12588-1-AP

6 Publications



Basic Information

Catalog Number: 12588-1-AP	GenBank Accession Number: BC022069	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1381	Recommended Dilutions: WB 1:200-1:1000 IHC 1:500-1:2000
Source: Rabbit	UNIPROT ID: P29762	
Isotype: IgG	Full Name: cellular retinoic acid binding protein 1	
Immunogen Catalog Number: AG3291	Calculated MW: 137 aa, 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse embryo tissue, human spleen tissue, Transfected HEK-293 cells IHC : human lung cancer tissue,
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, chicken, mouse, rabbit	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The cellular retinoic acid-binding proteins including CRABP1 and CRABP2 bind retinoic acid (RA), an important regulator of cell growth and differentiation, thus play an important role in RA-mediated differentiation and proliferation processes. It has been reported that CRABP1 influences the biological effects of RA in cell-selective manners by enhancing the physiological function of RA in keratinocytes or inhibiting RA-induced differentiation of neuroblastoma cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Zhu	31682227	Elife	IF
Xiaofei Niu	35764970	Virology	WB
Marie Kubota	33472062	Cell Rep	WB

Storage

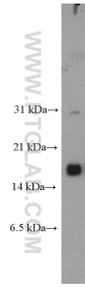
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

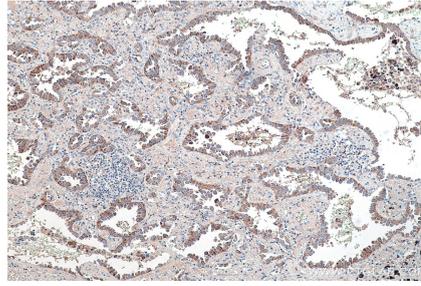
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

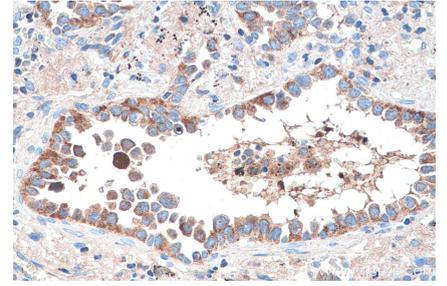
Selected Validation Data



mouse embryo tissue were subjected to SDS PAGE followed by western blot with 12588-1-AP (CRABP1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12588-1-AP (CRABP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12588-1-AP (CRABP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).