

For Research Use Only

CRABP1 Polyclonal antibody

Catalog Number: 12588-1-AP **5 Publications**



Basic Information

Catalog Number: 12588-1-AP	GenBank Accession Number: BC022069	Purification Method: Antigen affinity purification
Size: 700 µg/ml	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: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : mouse embryo tissue, human spleen tissue, Transfected HEK-293 cells
Species Specificity: human, mouse, rat	IHC : human lung cancer tissue,
Cited Species: human, chicken, mouse	
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	Viol J	WB
Marie Kubota	33472062	Cell Rep	WB

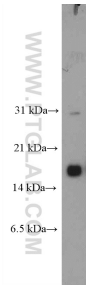
Storage

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

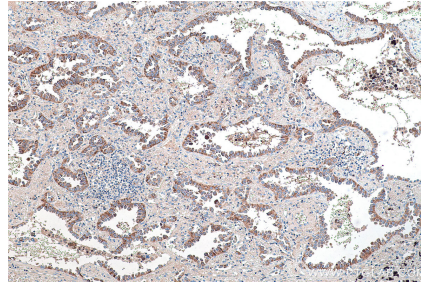
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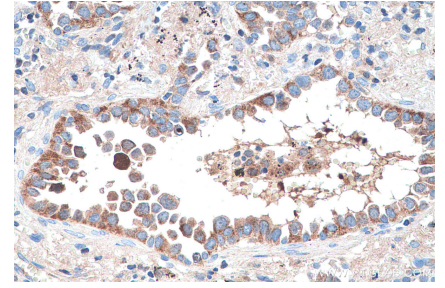
Selected Validation Data



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).