

For Research Use Only

CBR3 Polyclonal antibody

Catalog Number:15619-1-AP **4 Publications**



Basic Information

Catalog Number: 15619-1-AP	GenBank Accession Number: BC002812	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 874	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: O75828	
Isotype: IgG	Full Name: carbonyl reductase 3	
Immunogen Catalog Number: AG8039	Calculated MW: 31 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A549 cells, Jurkat cells, HeLa cells, HepG2 cells, Jurkat cells IHC : human colon cancer tissue, IF/ICC : HeLa cells,
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human, mouse, rat	

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

CBR3(Carbonyl reductase [NADPH] 3), which Belongs to the short-chain dehydrogenases/reductases (SDR) family, has low NADPH-dependent oxidoreductase activity towards 4-benzoylpyridine and menadione (in vitro). The gene encodes a 31 kDa protein that can catalyze the reduction of many endogenous and xenobiotic carbonyl compounds, including steroids and prostaglandins. The deduced 277-amino acid CBR3 protein is 84% similar to the CBR1 protein(PMID:9740676).

Notable Publications

Author	Pubmed ID	Journal	Application
Maya A Olshina	31903784	Antioxid Redox Signal	WB
Bo Yang	39328210	World Allergy Organ J	WB,IHC
Fanindra Kumar Deshmukh	37253751	Nat Commun	WB

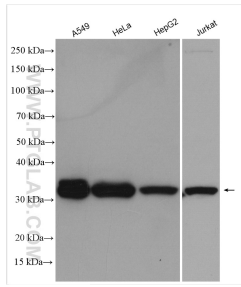
Storage

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

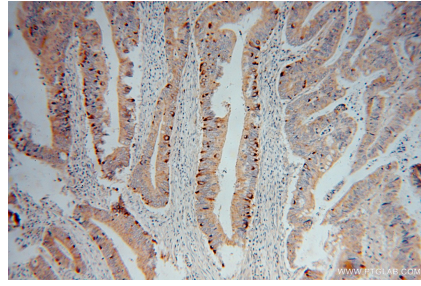
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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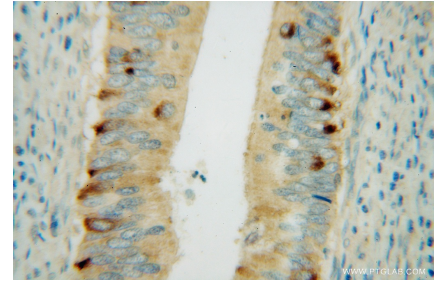
Selected Validation Data



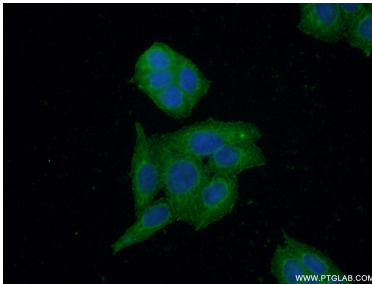
Various lysates were subjected to SDS PAGE followed by western blot with 15619-1-AP (CBR3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15619-1-AP (CBR3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 15619-1-AP (CBR3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15619-1-AP (CBR3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).