

For Research Use Only

Claudin 3 Polyclonal antibody

Catalog Number: 16456-1-AP **15 Publications**



Basic Information

Catalog Number: 16456-1-AP	GenBank Accession Number: BC016056	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1365	Recommended Dilutions: IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: claudin 3	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 220 aa, 23 kDa	
Immunogen Catalog Number: AG9411	Observed MW: 20-24 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls:
Cited Applications: IF, IHC	IP: mouse large intestine tissue,
Species Specificity: human, mouse, rat	IHC: human breast cancer tissue, mouse colon tissue
Cited Species: human, mouse, pig, 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

Claudins are a family of proteins that are the most important components of the tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. 23 claudins have been identified. They are small (20-27 kilodalton (kDa)) proteins with very similar structure. They have four transmembrane domains, with the N-terminus and the C-terminus in the cytoplasm.

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Cai	31520958	Environ Int	IHC
Shuai Zhang	34956483	Am J Transl Res	WB
Xue Li	31734580	Biomed Pharmacother	WB

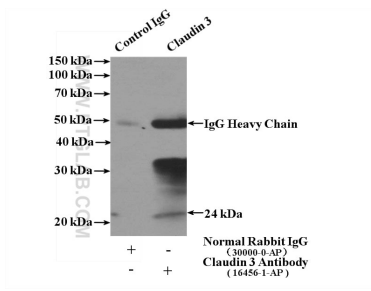
Storage

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

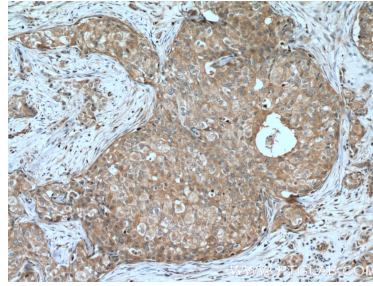
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

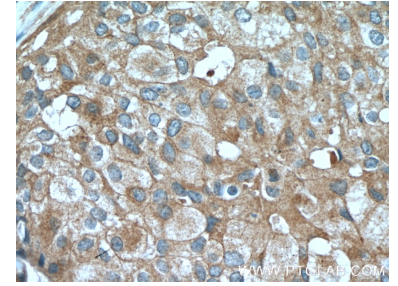
Selected Validation Data



IP Result of anti-Claudin 3 (IP:16456-1-AP, 4ug; Detection:16456-1-AP 1:300) with mouse large intestine tissue lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16456-1-AP (Claudin 3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 16456-1-AP (Claudin 3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).