

For Research Use Only

CLMP Polyclonal antibody

Catalog Number: 16127-1-AP **1 Publications**



Basic Information

Catalog Number: 16127-1-AP	GenBank Accession Number: BC009371	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 79827	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Source: Rabbit	UNIPROT ID: Q9H6B4	
Isotype: IgG	Full Name: adipocyte-specific adhesion molecule	
Immunogen Catalog Number: AG9111	Calculated MW: 373 aa, 41 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, 3T3-L1 cells, rat brain tissue IHC : mouse brown adipose tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

CLMP (Coxsackie- and adenovirus receptor-like membrane protein), also known as ACAM (adipocyte adhesion molecule) or ASAM, is a member of the CTX (cortical thymocyte marker in Xenopus) family of proteins. CTX family proteins are type I transmembrane proteins within the Ig superfamily that localize to junctional complexes between endothelial and epithelial cells and may play a role in cell-cell adhesion. CLMP is predominantly expressed in epithelial cells within different tissues and in the white adipose tissue. It may be involved in the cell-cell adhesion and may play a role in adipocyte differentiation and development of obesity.

Notable Publications

Author	Pubmed ID	Journal	Application
Hiroki Takeuchi	34448537	Cell Microbiol	WB

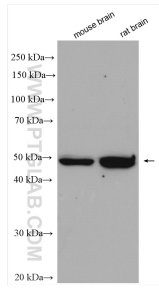
Storage

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

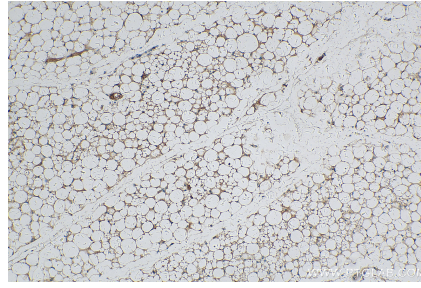
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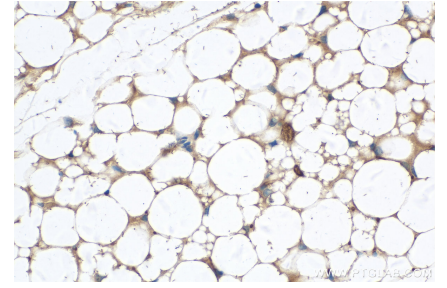
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16127-1-AP (CLMP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 16127-1-AP (CLMP antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 16127-1-AP (CLMP antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).