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CLC Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16125b

Specification

CLC Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q05315
Other Accession	NP_001819.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16453**
Antigen Region	**91-119**

CLC Antibody (C-term) - Additional Information

Gene ID 1178

Other Names
Galectin-10, Gal-10, Charcot-Leyden crystal protein, CLC, Eosinophil lysophospholipase, Lysolecithin acylhydrolase, CLC, LGALS10, LGALS10A

Target/Specificity
This CLC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-119 amino acids from the C-terminal region of human CLC.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CLC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CLC Antibody (C-term) - Protein Information

Name CLC

Synonyms LGALS10, LGALS10A

Function Regulates immune responses through the recognition of cell- surface glycans. Essential for the anergy and suppressive function of CD25-positive regulatory T-cells (Treg).

Cellular Location
Cytoplasm, cytosol. Cytoplasmic granule. Note=Localized in granules from where it may be secreted or transported to other locations in the cell

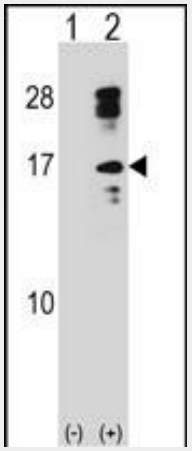
Tissue Location
Expressed abundantly in the bone marrow. Expressed exclusively by eosinophils and basophils. Not detected in monocytes and neutrophils. Expressed in CD25-positive regulatory T-cells (Treg) (at protein level). Found in intestinal tissue from patients with Celiac disease, expression is directly related to the histological grade of mucosal damage and to the number of eosinophils found in the duodenal lesion (at protein level). Found in sputum of patients with eosinophilic inflammatory diseases such as asthma (at protein level)

CLC Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CLC Antibody (C-term) - Images



Western blot analysis of CLC (arrow) using rabbit polyclonal CLC Antibody (C-term) (Cat. #AP16125b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CLC gene.

CLC Antibody (C-term) - Background

Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene is a lysophospholipase expressed in eosinophils and basophils. It hydrolyzes lysophosphatidylcholine to

glycerophosphocholine and a free fatty acid. This protein may possess carbohydrate or IgE-binding activities. It is both structurally and functionally related to the galectin family of beta-galactoside binding proteins. It may be associated with inflammation and some myeloid leukemias.

CLC Antibody (C-term) - References

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Bryborn, M., et al. Allergy 65(2):220-228(2010)
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Than, N.G., et al. Proc. Natl. Acad. Sci. U.S.A. 106(24):9731-9736(2009)
Kubach, J., et al. Blood 110(5):1550-1558(2007)