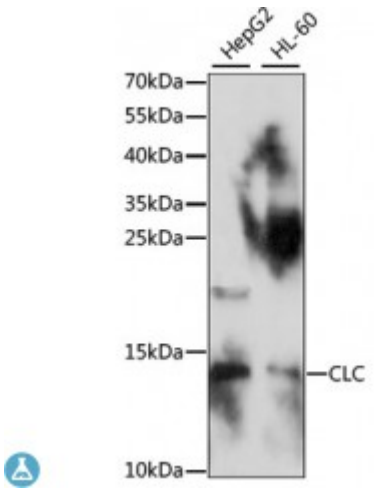
Anti-CLC Antibody



Description	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.
Model	STJ117460
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-142 of human CLC (NP_001819.2).
Gene ID	1178
Gene Symbol	CLC
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	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

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Galectin-10 Gal-10 Charcot-Leyden crystal protein CLC Eosinophil lysophospholipase Lysolecithin acylhydrolase
Molecular Weight	16.453 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2014OMIM:153310
Alternative Names	Galectin-10 Gal-10 Charcot-Leyden crystal protein CLC Eosinophil lysophospholipase Lysolecithin acylhydrolase
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 Localization	Cytoplasm, cytosol,