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C8 β Polyclonal Antibody

Catalog # AP73983

Product Information

Application	WB
Primary Accession	P07358
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66948

Additional Information

Gene ID	732
Other Names	Complement component C8 beta chain (Complement component 8 subunit beta)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

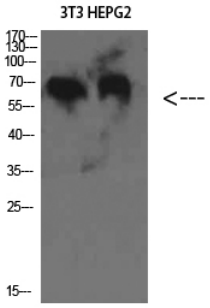
Name	C8B (HGNC:1353)
Function	Component of the membrane attack complex (MAC), a multiprotein complex activated by the complement cascade, which inserts into a target cell membrane and forms a pore, leading to target cell membrane rupture and cell lysis (PubMed:22832194, PubMed:26841837, PubMed:27052168, PubMed:30552328, PubMed:7440581). The MAC is initiated by proteolytic cleavage of C5 into complement C5b in response to the classical, alternative, lectin and GZMK complement pathways (PubMed:30552328, PubMed:7440581). The complement pathways consist in a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed:30552328, PubMed:7440581). C8B, together with C8A and C8G, inserts into the target membrane, but does not form pores by itself (PubMed:30552328). During MAC assembly, associates with C5b, C6 and C7 to form the C5b8 intermediate complex that inserts into the target membrane and traverses the bilayer increasing membrane rigidity (PubMed:30552328, PubMed:6833260).
Cellular Location	Secreted. Target cell membrane; Multi-pass membrane protein. Note=Secreted as soluble protein (PubMed:30552328). Inserts into the cell

membrane of target cells (PubMed:30552328, PubMed:31061395)

Background

Constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells.

Images



Western Blot analysis of 3T3 HEPG2 cells using C8 β Polyclonal Antibody diluted at 1:2000. Secondary antibody was diluted at 1:20000