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# C8 α Polyclonal Antibody

Catalog # AP74278

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | P07357 |
| **Reactivity** | Human, Rat, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 65163 |

## Additional Information

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| **Gene ID** | 731 |
| **Other Names** | Complement component C8 alpha chain (Complement component 8 subunit alpha) |
| **Dilution** | WB~~WB 1:500-2000, ELISA 1:10000-20000 E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

## Protein Information

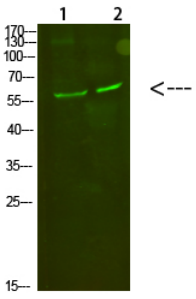
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| **Name** | C8A ( HGNC:1352) |
| **Function** | Component of the membrane attack complex (MAC), a multiprotein complex activated by the complement cascade, which inserts into a target cell membrane and forms a pore, leading to target cell membrane rupture and cell lysis (PubMed:17872444, 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:17872444, PubMed:30552328, PubMed:39914456, PubMed:39814882, 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:17872444, PubMed:30552328, PubMed:7440581). C8A, together with C8B and C8G, inserts into the target membrane, but does not form pores by itself (PubMed:17872444, 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). |

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| **Cellular Location** | Secreted. Target cell membrane; Multi-pass membrane protein Note=Secreted as soluble protein (PubMed:2820471). 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. C8A inserts into the target membrane, but does not form pores by itself.

## Images




Western Blot analysis of 1,mouse-kidney 2,mouse-heart cells using primary antibody diluted at 1:500(4°C overnight). Secondary antibody：Goat Anti-rabbit IgG IRDye 800( diluted at 1:5000, 25°C, 1 hour)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.