

## Goat anti-complement C3 (aa681-693) Antibody

<b>Item Number</b>	dAP-2707
<b>Target Molecule</b>	Principle Name: complement C3 (aa681-693); Official Symbol: C3; All Names and Symbols: C3; complement component 3; AHUS5; ARMD9; ASP; CPAMD1; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; OTTHUMP00000197086; acylation-stimulating protein cleavage product; complement C3; complement component C3; Accession Number (s): NP_000055.2; Human Gene ID(s): 718; Non-Human GeneID(s):
<b>Immunogen</b>	DKVGKYPKELRKC, is from internal region This antibody is expected to recognize the C3 alpha chain and C3a anaphylatoxin,
<b>Applications</b>	Pep ELISA  Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 125kDa band in Human Liver lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 104k
<b>IHC</b>	
<b>Reference</b>	Reference(s): Kenyon KD, Cole C, Crawford F, Kappler JW, Thurman JM, Bratton DL, Boackle SA, Henson PM. IgG autoantibodies against deposited C3 inhibit macrophage-mediated apoptotic cell engulfment in systemic autoimmunity. J Immunol. 2011 Sep 1;187(5):2101-11..PMID: 21813769->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**