

Anti-C4a Rabbit pAb



WLA0611

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-C4a Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC、IF	1:100-1:500
Cellular localization	Cell projection, Secreted, Synapse.	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Complement C4, as a key component of the classical complement pathway, plays an important role in innate immune function. The C4 protein is expressed in the form of a single chain precursor, which is cleaved by protein hydrolysis into a trimer composed of alpha, beta, and gamma chains before secretion. This trimer provides a binding surface for the interaction between antigen antibody complexes and other complement components. The hydrolysis and degradation of complement C4 protein produce C4a allergen toxin, which is a mediator of local inflammatory response. It can induce smooth muscle contraction, increase vascular permeability, and promote histamine release from mast cells and eosinophils.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of C4a.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

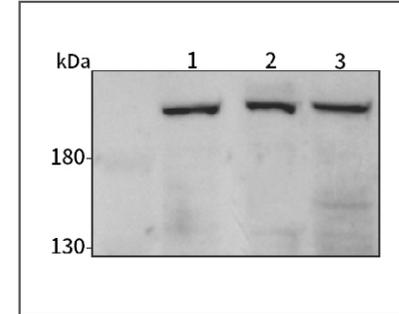
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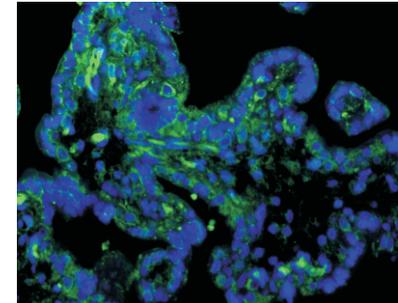
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Product Images



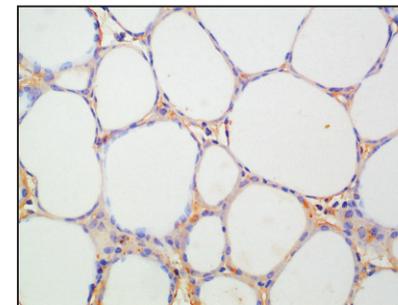
Western blot-Anti-C4a pAb

Lane 1: Human HEK293 cell lysate
 Lane 2: Human HCT116 cell lysate
 Lane 3: Rat RSC96 cell lysate
 All lanes: Anti-C4a at 1:2000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 193 kDa
 Observed band size: 193 kDa



Immunohistochemistry-Anti-C4a pAb

Immunohistochemical analysis of paraffin-embedded human placenta using anti-C4a Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-C4a pAb

Immunofluorescence analysis of paraffin-embedded mouse thyroid gland using anti-C4a Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0