

Datasheet for ABIN2192122

**anti-C6 antibody**

3 Publications

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## Overview

Quantity:	100 µg
Target:	C6
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoassay (IA)

## Product Details

Clone:	3G11
Sterility:	0.2 µm filtered

## Target Details

Target:	C6
Abstract:	<a href="#">C6 Products</a>
Background:	<p>The monoclonal antibody 3G11 reacts specifically with rat C6. Proteolytic cleavage of C5 by C5 convertase generates C5b which initiates assembly of the C5b-9 membrane attack complex. Complement component C6 is part of this C5b-9 complex. This complex is assembled from five precursor molecules in the serum. The final step of C5b-9 complex formation involves polymerization of C9 which accompanies insertion of the complex into the cell membrane. The rat remnant kidney model had been widely used to identify mechanisms responsible for the</p>

## Target Details

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progression of renal disease. Proteinuria is nephrotoxic and contributes to the progression of renal injury. Activation of complement in proteinuric urine results in tubular and interstitial damage. In C6- deficient rats, acute interstitial changes resolved despite ongoing proteinuria. This suggests that C6 mediates chronic progression of tubulointerstitial damage in rats with remnant kidneys. The monoclonal antibody 3G11 was raised by immunization of mice with C6 isolated from rat serum. Monoclonal antibody 3G11 can be used as detector in immuno assays detect C5b-9 in both serum and urine.

## Application Details

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**Application Notes:** For immunohistology and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

**Restrictions:** For Research Use only

## Handling

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**Buffer:** PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** 4 °C

**Storage Comment:** Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

**Expiry Date:** 12 months

## Publications

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**Product cited in:** Müller, Peri, Doni, Perruchoud, Landmann, Pasqualini, Mantovani: "High circulating levels of the IL-1 type II decoy receptor in critically ill patients with sepsis: association of high decoy receptor levels with glucocorticoid administration." in: **Journal of leukocyte biology**, Vol. 72, Issue 4, pp. 643-9, (2002) ([PubMed](#)).

Penton-Rol, Orlando, Polentarutti, Bernasconi, Muzio, Introna, Mantovani et al.: "Bacterial lipopolysaccharide causes rapid shedding, followed by inhibition of mRNA expression, of the IL-

1 type II receptor, with concomitant up-regulation of the type I receptor and induction of ..." in:  
**Journal of immunology (Baltimore, Md. : 1950)**, Vol. 162, Issue 5, pp. 2931-8, (1999) ([PubMed](#)  
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