

## Cleaved-C1r LC (I464) rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A12590	Rabbit	1 mg/ml	80174

<b>Applications</b>	WB,ELISA
<b>Reactivity</b>	Human
<b>Dilution</b>	WB: 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Storage</b>	-20°C/1 year
<b>Specificity</b>	Cleaved-C1r LC (I464) Polyclonal Antibody detects endogenous levels of fragment of activated C1r LC protein resulting from cleavage adjacent to I464.
<b>Source / Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human C1R. AA range:445-494
<b>Uniprot No</b>	P00736
<b>Alternative names</b>	C1R; Complement C1r subcomponent; Complement component 1 subcomponent r
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Conjugation</b>	
<b>Background</b>	<p>catalytic activity:Selective cleavage of Lys(or Arg)-I-Ile bond in complement subcomponent C1s to form the active form of C1s (EC 3.4.21.42).,function:C1r B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system.,polymorphism:Complement component C1r deficiency [MIM:216950] leads to the failure of the classical complement system activation pathway (C1 deficiency). Individuals with C1 deficiency are highly susceptible to infections by microorganisms and have greater risk in developing autoimmune diseases such as systemic lupus erythematosus (SLE).,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 2 CUB domains.,similarity:Contains 2 Sushi (CCP/SCR) domains.,subunit:C1 is a calcium-dependent trimolecular complex of C1q, C1r and C1s in the molar ration of 1:2:2. C1r is a dimer of identical chains, each of which is activated by cleavage into two chains, A and B, connected by disulfide bonds.</p>
<b>Other</b>	C1R, Complement C1r subcomponent

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**Product Images:****Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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*For life science research only. Not for use in diagnostic procedures.*

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