

**Cleaved-Thrombin APII (R327) rabbit pAb****Cat#: orb763930 (Manual)**

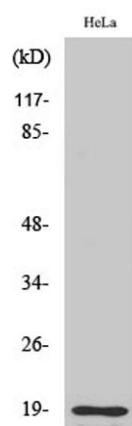
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Cleaved-Thrombin APII (R327) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human THRB. AA range:278-327
<b>Specificity</b>	Cleaved-Thrombin APII (R327) Polyclonal Antibody detects endogenous levels of fragment of activated Thrombin APII protein resulting from cleavage adjacent to R327.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Prothrombin
<b>Gene Name</b>	F2
<b>Cellular localization</b>	Secreted, extracellular space.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

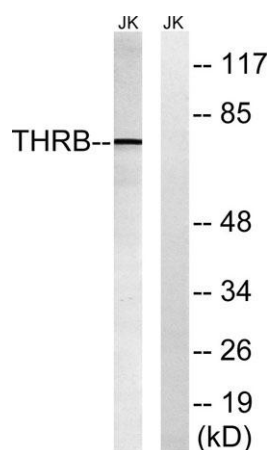
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	19kD
<b>Human Gene ID</b>	2147
<b>Human Swiss-Prot Number</b>	P00734
<b>Alternative Names</b>	F2; Prothrombin; Coagulation factor II

### Background

Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Peptides derived from the C-terminus of this protein have antimicrobial activity against *E. coli* and *P. aeruginosa*. Mutations in F2 lead to various forms of thrombosis and dysprothrombinemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015],



**Western Blot analysis of various cells using Cleaved-Thrombin APII (R327) Polyclonal Antibody**



**Western blot analysis of lysates from Jurkat cells, treated with etoposide 25uM 24H, using THRβ (AP2,Cleaved-Arg327) Antibody. The lane on the right is blocked with the synthesized peptide.**



Explore. Bioreagents.

[www.biorbyt.com](http://www.biorbyt.com)

Biorbyt Ltd  
7 Signet Court, Swann Road, Cambridge, CB5 8LA. United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +44 (0)1223 859-353 | Fax: +44 (0)1223 280-240

Biorbyt LLC  
68 TW Alexander Drive, Durham, NC 27709. United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com) | Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558