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**Product Name: Vinculin Rabbit Monoclonal Antibody****Catalog #: AMRe02763**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IF,IP,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.3mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:4000-1:20000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
<b>Molecular Weight</b>	Calculated MW: 124 kDa; Observed MW: 124 kDa

**Antigen Information**

<b>Gene Name</b>	VCL
<b>Alternative Names</b>	VCL; Vinculin; Metavinculin
<b>Gene ID</b>	7414
<b>SwissProt ID</b>	P18206
<b>Immunogen</b>	Recombinant protein of human Vinculin

**Background**

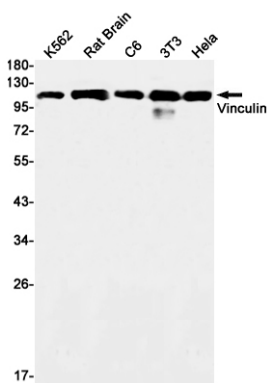
Vinculin is a cytoskeletal protein that plays an important role in the regulation of focal adhesions and embryonic development. Three structural vinculin domains include an amino-terminal head, a short, flexible proline-rich region and a carboxy-terminal

tail. In the inactive state, the head and tail domains of vinculin interact to form a closed conformation. The open and active form of vinculin translocates to focal adhesions where it is thought to be involved in anchoring F-actin to the membrane and regulation of cell migration.

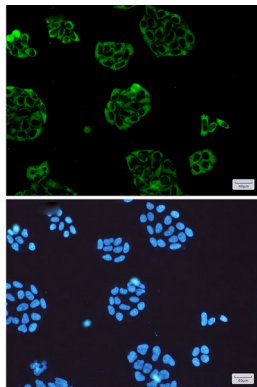
## Research Area

Signal Transduction

## Image Data



Western blot analysis of Vinculin in K562, rat Brain, C6, 3T3, HeLa lysates using Vinculin antibody.



Immunocytochemistry analysis of Vinculin(green) in HeLa using Vinculin antibody, and DAPI(blue)