Product Name: **Vinculin Rabbit Monoclonal Antibody**
Catalog #: **AMRe02764**
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.68mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100
Molecular Weight	Calculated MW: 124 kDa; Observed MW: 124 kDa

Antigen Information

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

Background

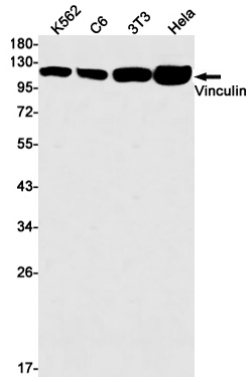
Vinculin is a cytoskeletal protein that plays an important role in the regulation of focal adhesions and embryonic development. Three structural vinculin domains include an amino-terminal head, a short, flexible proline-rich region and a carboxy-terminal

tail. In the inactive state, the head and tail domains of vinculin interact to form a closed confirmation. 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.

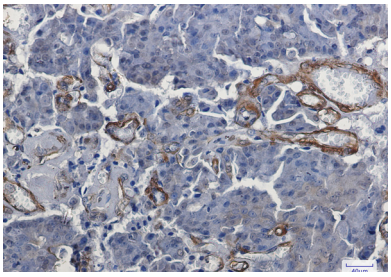
Research Area

Signal Transduction

Image Data



Western blot analysis of Vinculin in K562, C6, 3T3, Hela lysates using Vinculin antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Vinculin antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.