

Anti-Vinculin Antibody (3Q495)

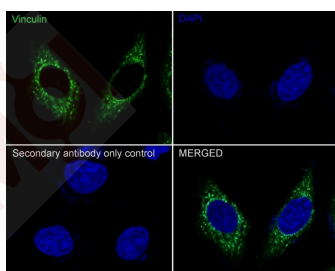
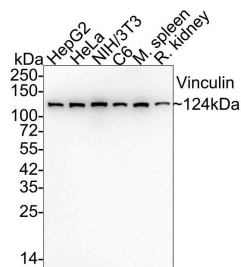
Product Details

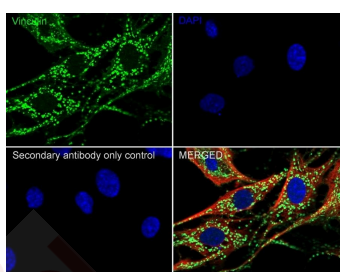
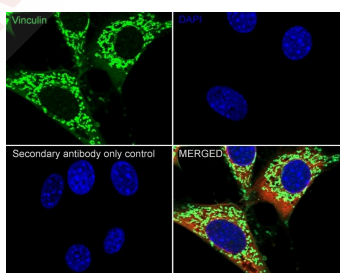
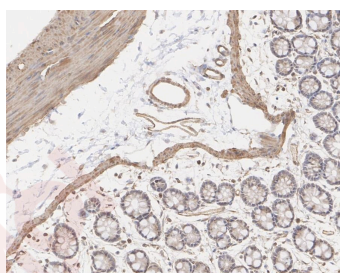
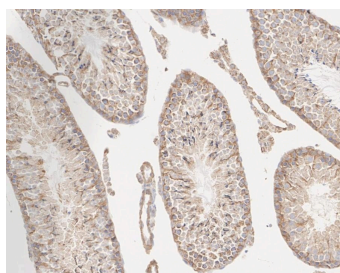
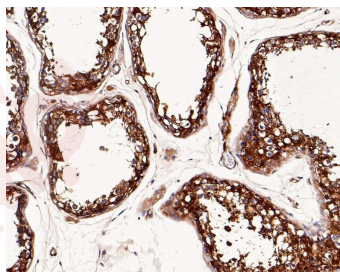
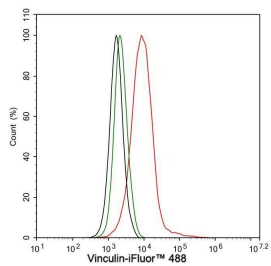
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 124 kDa.
Clone:	3Q495
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of Vinculin on different lysates with Vinculin antibody at 1/20,000 dilution. Lane 1: HepG2 cell lysate (15 µg/Lane), Lane 2: HeLa cell lysate (15 µg/Lane), Lane 3: NIH/3T3 cell lysate (15 µg/Lane), Lane 4: C6 cell lysate (15 µg/Lane), Lane 5: Mouse spleen tissue lysate (20 µg/Lane), Lane 6: Rat kidney tissue lysate (20 µg/Lane), Predicted band size: 124 kDa, Observed band size: 124 kDa, Exposure time: 1 minute 21 seconds; 4-20% SDS-PAGE gel.
2. Immunocytochemistry analysis of HeLa cells labeling Vinculin with Vinculin antibody at 1/1,000 dilution.
3. Flow cytometric analysis of HeLa cells labeling Vinculin.
4. Immunohistochemical analysis of paraffin-embedded human testis tissue with Vinculin antibody at 1/200 dilution.
5. Immunohistochemical analysis of paraffin-embedded mouse testis tissue with Vinculin antibody at 1/20,000 dilution.
6. Immunohistochemical analysis of paraffin-embedded rat colon tissue with Vinculin antibody at 1/20,000 dilution.
7. Immunocytochemistry analysis of NIH/3T3 cells labeling Vinculin with Vinculin antibody at 1/250 dilution.
8. Immunocytochemistry analysis of C6 cells labeling Vinculin with Vinculin antibody at 1/250 dilution.





Application: ICC/IF,IHC,WB

Recommended WB: 1:5000-20000; ICC/IF-Cell 1:200-1000; ICC/IF-Tissue 1:50-4000; IHC-P 1:200-20000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months (Store at 4°C after thawing). Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized peptide: within human Vinculin

Antigen Species: human

Uniprot ID: P18206

Synonyms: MVCL;MV;vinculin;CMD1W;HEL114;CMH15

Research Background

Focal adhesions are identified as areas within the plasma membrane of tissue culture cells that adhere tightly to the underlying substrate. In vivo, these regions are involved in the adhesion of cells to the extracellular matrix. Paxillin and vinculin are cytoskeletal, focal adhesion proteins that are components of a protein complex which links the Actin network to the plasma membrane. Vinculin binding sites have been identified on other cytoskeletal proteins, including Talin and α -actinin. In addition, vinculin, Talin and α -actinin each contain Actin binding sites. Expression of vinculin and Talin have been shown to be affected by the level of Actin expression. α -Actinin has been shown to link Actin to integrins in the plasma membrane through interactions with the vinculin and Talin complex or by a direct interaction with integrin.

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