

HRP Conjugated Anti-Vinculin Antibody [JM42-43] HA724470H



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Green monkey, Pig
Applications:	WB
Molecular Wt:	Predicted band size: 124 kDa
Clone number:	JM42-43

Description: 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.

Conjugate: HRP-conjugated

Immunogen: Synthetic peptide within human Vinculin aa 1,000-1,060.

Positive control: HeLa (Human cervical adenocarcinoma cell) cell lysate, HEK-293 (Human embryonic kidney cell) cell lysate, NIH/3T3 (Mouse fibroblast) cell lysate, RAW264.7 (Mouse monocytic macrophage leukemia cell) cell lysate, C6 (Rat glioma cell) cell lysate, COS-1 (African green monkey kidney fibroblast) cell lysate, Pig brain tissue lysate, Mouse lung tissue lysate, Mouse spleen tissue lysate, Mouse colon tissue lysate, Rat lung tissue lysate, Rat spleen tissue lysate, Rat colon tissue lysate.

Subcellular location: Cell junction, Cell membrane, Cytoplasm, Cytoskeleton, Membrane.

Database links: SwissProt: P18206 Human | Q64727 Mouse | P85972 Rat

Recommended Dilutions:

WB 1:2,000-1:5,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

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Orders:0086-571-88062880

Technical:0086-571-89986345

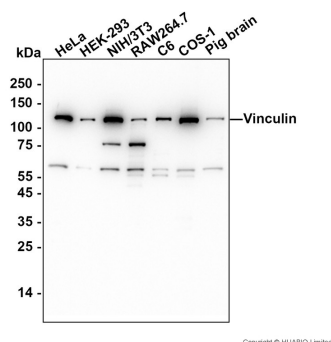
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of Vinculin on different lysates with Rabbit anti-Vinculin antibody (HA724470H) at 1/2,000 dilution.

Lane 1: HeLa (Human cervical adenocarcinoma cell) cell lysate
 Lane 2: HEK-293 (Human embryonic kidney cell) cell lysate
 Lane 3: NIH/3T3 (Mouse fibroblast) cell lysate
 Lane 4: RAW264.7 (Mouse monocytic macrophage leukemia cell) cell lysate
 Lane 5: C6 (Rat glioma cell) cell lysate
 Lane 6: COS-1 (African green monkey kidney fibroblast) cell lysate
 Lane 7: Pig brain tissue lysate



Lysates/proteins at 5 µg/Lane.

Predicted band size: 124 kDa
 Observed band size: 124 kDa

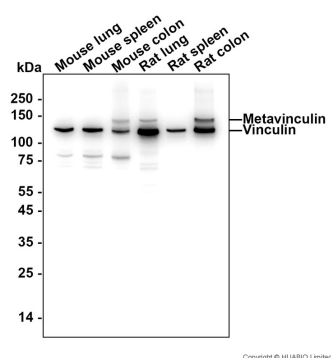
Exposure time: 10 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA724470H) at 1/2,000 dilution was used in K1803 at room temperature for 1 hour.

Fig2: Western blot analysis of Vinculin on different lysates with Rabbit anti-Vinculin antibody (HA724470H) at 1/2,000 dilution.

Lane 1: Mouse lung tissue lysate (10 µg/Lane)
 Lane 2: Mouse spleen tissue lysate (10 µg/Lane)
 Lane 3: Mouse colon tissue lysate (10 µg/Lane)
 Lane 4: Rat lung tissue lysate (10 µg/Lane)
 Lane 5: Rat spleen tissue lysate (10 µg/Lane)
 Lane 6: Rat colon tissue lysate (10 µg/Lane)



Predicted band size: 124 kDa
 Observed band size: 124, ~145 kDa

Exposure time: 5 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA724470H) at 1/2,000 dilution was used in K1803 at room temperature for 1 hour.

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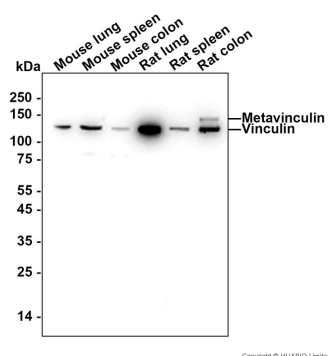
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Fig3: Western blot analysis of Vinculin on different lysates with Rabbit anti-Vinculin antibody (HA724470H) at 1/5,000 dilution.



Lane 1: Mouse lung tissue lysate (10 µg/Lane)
 Lane 2: Mouse spleen tissue lysate (10 µg/Lane)
 Lane 3: Mouse colon tissue lysate (10 µg/Lane)
 Lane 4: Rat lung tissue lysate (10 µg/Lane)
 Lane 5: Rat spleen tissue lysate (10 µg/Lane)
 Lane 6: Rat colon tissue lysate (10 µg/Lane)

Predicted band size: 124 kDa

Observed band size: 124, ~145 kDa

Exposure time: 11 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA724470H) at 1/5,000 dilution was used in 5% NFDM/TBST at room temperature for 1 hour.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. King HO et al. RAD51 Is a Selective DNA Repair Target to Radiosensitize Glioma Stem Cells. *Stem Cell Reports* 8:125-139 (2017).
2. Boyette LB et al. Phenotype, function, and differentiation potential of human monocyte subsets. *PLoS One* 12:e0176460 (2017).

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