

AM20685PU-N**Monoclonal Antibody to Vinculin (VCL) - Purified**

Alternate names:	Metavinculin
Quantity:	0.1 mg
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Background:	Vinculin is a cytoskeletal protein associated with the cytoplasmic face of both cell-cell and cell-extracellular matrix adherens-type junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane . both human and chicken embryo sequences of vinculin contain 1,066 amino acids and, furthermore, that the 2 proteins exhibit a high level of sequence identity (greater than 95%). Vinculin is mapped to 10q22.1-q23.
Uniprot ID:	P18206
NCBI:	NP_003364
GeneID:	7414
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	VIN-54
Immunogen:	Human vinculin, purified from uterus
Format:	State: Lyophilized purified Ig fraction Purification: Affinity chromatography Buffer System: 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. Reconstitution: Restore with 1.2% sodium acetate or neutral PBS.
Applications:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen sections: 2 - 4 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Vinculin. Species: Human, Mouse, Rat, Chicken. Other species not tested.
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Weller PA, Ogryzko EP, Corben EB, Zhidkova NI, Patel B, Price GJ, et al. Complete sequence of human vinculin and assignment of the gene to chromosome 10. Proc Natl Acad Sci U S A. 1990 Aug;87(15):5667-71. PubMed PMID: 2116004. 2. Mulligan LM, Gardner E, Telenius H, Ponder BA. Complementary physical and

genetic techniques map the vinculin (VCL) gene on chromosome 10q. Genomics. 1992 Aug;13(4):1347-9. PubMed PMID: 1505973.