

## Product datasheet for **AM32078PU-N**

### Vinculin (VCL) Mouse Monoclonal Antibody [Clone ID: FB11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	FB11
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western blotting:</b> Use at least 1/1000. <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunoassays for cellular and tumor biology.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Vinculin from Human smooth muscle. Hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Specificity:	The antibody reacts with the Vinculin antigen. In Immunoblotting the antibody identifies a 130 kD polypeptide.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	vinculin
Database Link:	<a href="#">Entrez Gene 7414 Human P18206</a>



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**Background:**

Vinculin is an attachment protein involved in the indirect binding of intracellular actin filaments to extracellular fibronectin. Vinculin binds to actin capping protein and alpha actinin, which in turn binds to actin. The binding of fibronectin is also indirect where vinculin binds to talin, which in turn binds to the intracellular domain of the fibronectin receptor which itself is the ligand for fibronectin. Vinculin is widely distributed in tissue and is expressed where smooth muscle actin and fibroblasts attach to the extracellular matrix.

**Synonyms:**

Metavinculin