

Product datasheet for **AM50080PU-N**

LAYN Mouse Monoclonal Antibody [Clone ID: AT20G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT20G8
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:500.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human LAYN (22-235aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	layilin
Database Link:	Entrez Gene 143903 Human Q6UX15



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Background:

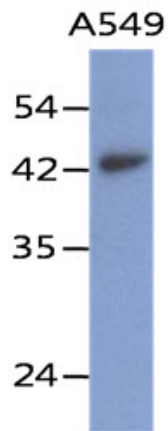
Layilin is a widely expressed integral membrane hyaluronan receptor and a transmembrane protein with homology to C-type lectins. This protein interacts with the ERM protein family of cytoskeletal membrane linker molecule members, including talin, ezrin, moesin, and radixin. The carboxy-terminal domain of layilin is capable of binding to the amino-terminal domain of radixin. An interdomain interaction between the amino- and the carboxy-terminal domains of radixin inhibits its ability to bind to layilin. Layilin plays an important role in cell adhesion and motility. It is important for the maintenance of the cortical structure in the cell because it mediates signals from the extracellular matrix to the cytoskeleton. In spreading cells, Layilin acts as a membrane-binding site for talin in the peripheral ruffles, and it may play a role in the migration of cells to a wound site.

Synonyms:

LAYN

Protein Families:

Transmembrane

Product images:

The cell lysates of A549 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human LAYN antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.