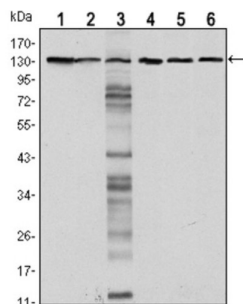


Cadherin-1 (CDH1) Antibody

Catalogue No.: abx015807



Western blot analysis using CDH1 antibody against LNCAP (1), A431 (2), DU145 (3), PC-3 (4), PC-12 (5) and T47D (6) cell lysate.

Cadherin-1 is a 120 kDa transmembrane glycoprotein that is localized in the adherens junctions of epithelial cells. There, it interacts with the cytoskeleton through the associated cytoplasmic catenin proteins. In addition to being a calcium-dependent adhesion molecule, Cadherin-1 is also a critical regulator of epithelial junction formation. Its association with catenins is necessary for cell-cell adhesion. These Cadherin-1/catenin complexes associate with cortical actin bundles at both the zonula adherens and the lateral adhesion plaques. Tyrosine phosphorylation can disrupt these complexes, leading to changes in cell adhesion properties. Cadherin-1 expression is often down-regulated in highly invasive, poorly differentiated carcinomas. Increased expression of Cadherin-1 in these cells reduces invasiveness. Thus, loss of expression or function of Cadherin-1 appears to be an important step in tumorigenic progression. Tissue specificity: Non-neural epithelial tissues.

| | |
|-------------------------------|--|
| Target: | Cadherin-1 (CDH1) |
| Research Area: | Tumour Immunity |
| Clonality: | Monoclonal |
| Reactivity: | Human, Mouse, Monkey |
| Tested Applications: | ELISA, WB |
| Host: | Mouse |
| Recommended dilutions: | ELISA: 1/10000, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user. |
| Conjugation: | Unconjugated |
| Immunogen: | Purified recombinant fragment of human CDH1 expressed in E. coli. |
| Isotype: | IgG ₁ |
| Form: | Liquid |
| Purification: | Unpurified ascites. |

Datasheet

Version: 2.0.0

Revision date: 03 Jul 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

GeneID: [999](#)

Molecular Weight: 135 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only