

Basic Information

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|---------------------------|---|
| Product Name | Anti-Beta Catenin/CTNNB1 Antibody (Clone#OTI1F3) |
| Gene Name | CTNNB1 |
| Source | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG2a |
| Species Reactivity | human, monkey, mouse, rat, dog |
| Tested Application | WB, IHC |
| Contents | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Immunogen | Human recombinant protein fragment corresponding to amino acids 531-781 of human beta-catenin (NP_001895) produced in E.coli. |
| Concentration | 500 ug/ml |
| Purification | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Observed MW | 85.3 kDa |
| Dilution Ratios | Western blot (WB): 1:1000~2000 Immunohistochemistry (IHC):1:50 |

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin. Alpha-catenin can bind to beta-catenin and can also bind actin. Beta-catenin binds the cytoplasmic domain of some cadherins. Beta-catenin is an adherens junction protein. It plays an important role in various aspects of liver biology including liver development(both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatomegaly, liver zonation, and pathogenesis of liver cancer.

Reference

Anti-Beta Catenin/CTNNB1 Antibody (Clone#OTI1F3)被引用在1文献中。

Selected Validation Data

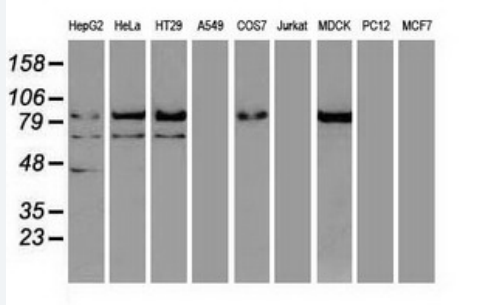


Figure 1. Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CTNNB1 monoclonal antibody.

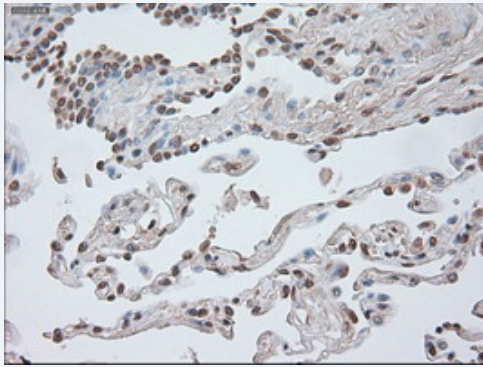


Figure 2. Immunohistochemical staining of paraffin-embedded Human lung tissue within the normal limits using anti-CTNNB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M00004-6)