

## Anti-beta catenin [15B8] Standard Size Ab01655-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 15B8

**Alternative Name(s) of Target:** Catenin beta-1; Beta-catenin;  $\beta$ -catenin;  $\beta$  catenin

**UniProt Accession Number of Target Protein:** P35222

**Published Application(s):** EMSA, WB, FC, IF, IHC

**Published Species Reactivity:** Chicken, Cow, Dog, Rat, Human, Mouse

**Immunogen:** This antibody was raised by immunizing mice with a recombinant full length  $\beta$ -catenin of chicken origin.

**Specificity:** This antibody recognizes beta catenin. It does not react with plakoglobin.  $\beta$ -Catenin plays a dual function in the cell including cell-cell adhesion and as a component of the Wnt (wingless) signaling pathway.

**Application Notes:** This antibody is recommended for the detection and analysis of beta-catenin via various methods, such as Western blot, flow cytometry and immunofluorescence of cells and tissues. For instance, the antibody 15B8 was utilized in labelling beta-catenin in oral mucosa samples via immunohistochemistry (Das et al., 2013). Another group used this antibody in the identification of beta-catenin in extracts from K562 cells via Western blots (Kotula et al., 2014). Furthermore, this antibody was applied during immunohistochemistry stainings of transverse sections taken through the midbrain region of 8–9ss embryos (Schiffmacher et al., 2016). Finally, beta-catenin is a very popular marker used to outline the cell membrane, this antibody might be utilized for such purposes (Zhang et al., 2017).

**Antibody First Published in:** Smith et al. The effect of non-steroidal anti-inflammatory drugs on human colorectal cancer cells: evidence of different mechanisms of action. Eur J Cancer. 2000 Mar;36(5):664-74.

[PMID:10738133](#)

**Note on publication:** This article describes the use of the antibody 15B8 in the detection of beta-catenin.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.