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Built Around Immunology

# Anti-β-Catenin (phospho Ser675) Rabbit mAb [29A04]

**Catalog No.: A52039**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A52039 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,IP,IF,ELISA |
| Synonyms | β-Catenin (phospho Ser675),p-β-Catenin(Ser675),ARMADILLO,ARM,CATNB,BCL9 |

## Product Information

| | |
|---|---|
| Target | β-Catenin (phospho Ser675) |
| Molecular Weight(Calculated) | 85 kDa |
| Molecular Weight(Observed) | 85 kDa |
| Isotype | IgG,Kappa |
| Conjugation | NA |
| Concentration | 0.2 mg/ml |
| Clonality | Monoclonal |
| Clone No. | 29A04 |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| WB | 1:500-1:2000 |
| IP | 1:50-1:200 |
| IF | 1:200-1:1000 |
| ELISA | 1:5000-1:20000 |

## Target Information

| | |
|---|---|
| Protein Name | β-Catenin (phospho Ser675) |
| Gene Name | *CTNNB1* |
| Domain | NA |
| Background | Phospho-β-Catenin (Ser675) is an activated post-translational modification form of β-Catenin, with Ser675 serving as a key phosphorylation site mediated by PKA and other kinases. Phosphorylation at Ser675 enhances β-Catenin stability, promotes its nuclear translocation and accumulation, and potently activates the canonical Wnt signaling pathway to upregulate downstream target gene transcription, thereby regulating cell proliferation, stemness maintenance, migration, invasion and tissue remodeling. Excessive Ser675 phosphorylation is a hallmark of aberrant Wnt pathway activation, widely involved in tumor overproliferation, fibrosis, developmental abnormalities and metabolic disorders. |