

Datasheet for ABIN6984604

**anti-HMGB1 antibody (AA 61-150) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                |
| Target:              | HMGB1                                                                                                                                                 |
| Binding Specificity: | AA 61-150                                                                                                                                             |
| Reactivity:          | Human, Mouse, Rat                                                                                                                                     |
| Host:                | Rabbit                                                                                                                                                |
| Clonality:           | Polyclonal                                                                                                                                            |
| Conjugate:           | This HMGB1 antibody is conjugated to Cy5                                                                                                              |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from mouse HMGB1 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Mouse, Rat                                         |
| Predicted Reactivity: | Dog,Cow,Pig,Horse                                         |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | HMGB1                                    |
| Alternative Name: | HMGB1 ( <a href="#">HMGB1 Products</a> ) |

## Target Details

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background: | <p>Synonyms: beta Catenin (phospho Y142), Beta catenin(phospho Tyr142), p-beta Catenin (Y142), p-Beta catenin(Tyr142), beta-catenin, beta catenin, CTNNB1, CHBCAT, CTNNB1, CTNNB, PRO2286, Cadherin associated protein, Catenin (cadherin associated protein), beta 1, 88 kDa, Catenin beta 1, Catenin beta-1, CATNB, CTNB1_HUMAN, CTNNB, CTNNB1, DKFZp686D02253, FLJ25606, FLJ37923, b-catenin, OTTHUMP00000162082, OTTHUMP00000165222, OTTHUMP00000165223, OTTHUMP00000209288, OTTHUMP00000209289.</p> <p>Background: Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes. Involved in the regulation of cell adhesion. Acts as a negative regulator of centrosome cohesion. Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization. Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2. Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML.</p> |
| Gene ID:    | 1499                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt:    | <a href="#">P09429</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways:   | <a href="#">p53 Signaling</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Inflammasome</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                                        |

## Handling

|                |         |
|----------------|---------|
| Format:        | Liquid  |
| Concentration: | 1 µg/µL |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |