Datasheet for ABIN6981232

anti-HMGB1 antibody (AA 61-150) (AbBy Fluor® 680)

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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 AbBy Fluor® 680
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 (HMGB1 Products)

Target Details

Background:	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. 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.
Gene ID:	1499
UniProt:	P09429
Pathways:	p53 Signaling, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Toll-Like Receptors Cascades, Smooth Muscle Cell Migration, Inflammasome

Application Details

Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	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