

MultiPro[™] 5CFLX Anti-Human Phospho-Beta Catenin (Ser675) (6D6)

Catalog Number: G80084-1-5C Basic Information

Catalog Number: G80084-1-5C	GenBank Accession Number: BC058926	CloneNo.: 6D6
Size: 500ug/mL	GeneID (NCBI): 1499	Conjugate: 5CFLX
Source: Rabbit	ENSEMBL Gene ID: ENSG00000168036	Full Oligo Sequence: CGGAGATGTGTATAAGACAGATAT CTTAATCCGAACCCATATAAGAAA
Isotype: IgG	UNIPROT ID: P35222	Barcode Sequence: ATATCTTAATCCGAA
	Full Name: MultiPro [™] 5CFLX Anti-Human Phospho-Beta Catenin (Ser675) (6D6)	

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

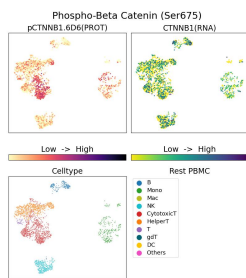
β -Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β -Catenin was originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α -catenin and the actin cytoskeleton. Besides its essential role in the AJs, β -catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/ β -catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β -catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222). PKA was shown to phosphorylate β -catenin at Ser675. Phosphorylation at Ser675 induces β -catenin accumulation in the nucleus and increases its transcriptional activity.

Storage

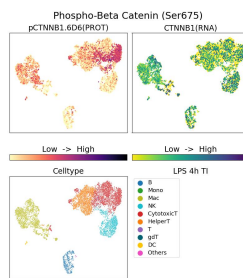
Storage:
2-8°C

Storage Buffer:
PBS with 1mM EDTA and 0.09% sodium azide

Selected Validation Data



G80084-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G80084-1-5C was used to stain PBMC under 4hr LPS + TI treatment and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.