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WFDC2 Recombinant Monoclonal Antibody

Product Code	CSB-RA964489A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14508
Immunogen	A synthesized peptide derived from Human WFDC2
Species Reactivity	Human
Tested Applications	ELISA, WB, FC; Recommended dilution: WB:1:500-1:2000, FC:1:50-1:200
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Tags & Cell Markers
Gene Names	WFDC2
Clone No.	17D2

Image



Western Blot

Positive WB detected in: HT29 whole cell lysate, Hela whole cell lysate, HT29 whole cell lysate, MCF7 whole cell lysate, A549 whole cell lysate, HEPG2 whole cell lysate All lanes: HE4 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 25 kDa Observed band size: 25 kDa

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Overlay Peak curve showing MCF-7 cells stained with CSB-RA964489A0HU (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody $(1\mu g/1*10^6 cells)$ for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Antirabit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG $(1\mu g/1*10^6 cells)$ used under the same conditions. Acquisition of >10,000 events was performed.

Description

The expression of WFDC2 recombinant monoclonal antibody typically involves the initial step of incorporating the WFDC2 antibody-encoding gene into expression vectors. These vectors are then introduced into host cells via polyethyleneimine-mediated transfection. Culturing of the host cells leads to the production and secretion of these antibodies. Post-affinity chromatography purification, the antibodies' functionality is evaluated using ELISA, WB, and FC assays, demonstrating their specific reactivity with the human WFDC2 protein.

WFDC2 is a protein with a primary role in ovarian function and reproductive biology. Its clinical significance lies in its use as a biomarker for ovarian cancer, aiding in early detection and monitoring, but it also has potential implications in other gynecological conditions and pregnancy.