9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-4169: Phospho-NDRG1 (Thr346) (Clone: F5) rabbit mAb FITC conjugate

Clonality :	Monoclonal
Clone Name :	NDRG1T346-F5
Application :	FACS
Reactivity :	Human, Mouse
Conjugate :	FITC
Format :	Conjugated
Alternative Name :	Differentiation-related gene 1 protein, N-myc downstream-regulated gene 1 protein, Nickel-specific induction protein Cap43, Reducing agents and tunicamycin-responsive protein, RTP, Rit42
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Thr346 of human phospho NDRG1

Description

N-Myc down-regulated gene 1 (NDRG1) has been reported to be a direct transcriptional target of p53. NDRG1 appears to play a necessary, but not sufficient, role in apoptosis, though its exact mechanism of action remains unknown. NDRG1 expression is elevated in non-small cell lung cancer cells, promoting cancer growth and reducing cytotoxicity to certain anti-cancer drugs. NDRG1 is also elevated in solid tumors and is recognized as a negative prognostic indicator in breast cancer. Elevated NDRG1 expression is correlated with disease recurrence and metastasis in breast cancer. NDRG1 is phosphorylated by Sgk1, which itself is activated by mTORC2. Phosphorylation of NDRG1 at Thr346 promotes cellular differentiation in adipocytes.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN3, 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 ÃÂµL per million cells or 5 ÃÂµL per 100 ÃÂµL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

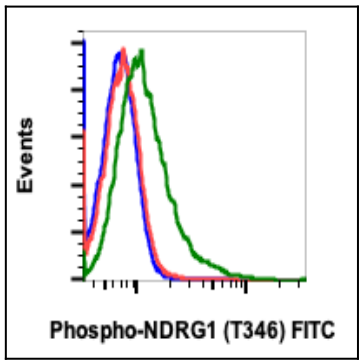

Fig-1: Flow cytometry of THP1 cells unstained and untreated as negative control (blue) or untreated (red) or treated with IFNa plus IL-4 and pervanadate (green) and stained using phospho-NDRG1 (Thr346) (F5) rabbit mAb, NDRG1T346-F5 PE conjugate.