Product Datasheet

E2F2 Rabbit mAb

Catalog No: #49104

Package Size: #49104-1 50ul #49104-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

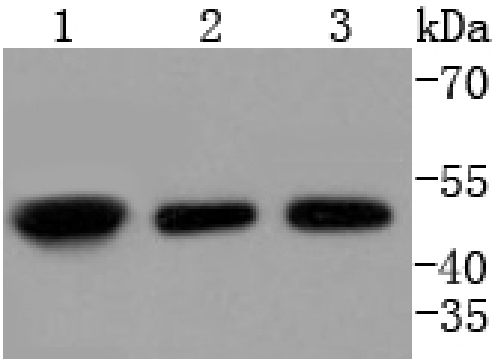
Product Name	E2F2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SN201-04
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	dE2F2 antibody E2F transcription factor 2 antibody E2F-2 antibody E2F2 antibody E2F2_HUMAN antibody Transcription factor E2F2 antibody
Accession No.	Swiss-Prot#:Q14209
Uniprot	Q14209
GeneID	1870;
Calculated MW	48 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

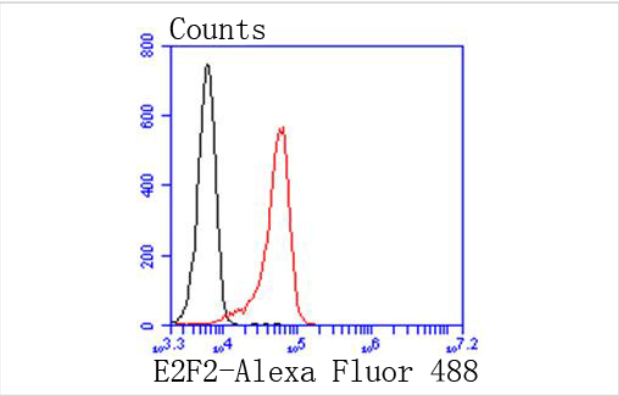
WB: 1:1,000-1:2,000

FC: 1:50-1:100

Images



Western blot analysis of E2F2 on different lysates using anti-E2F2 antibody at 1/1,000 dilution. Positive control: Lane 1: K562 Lane 2: 293T Lane 3: HepG2



Flow cytometric analysis of K562 cells with E2F2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

The human retinoblastoma gene product appears to play an important role in the negative regulation of cell proliferation. Functional inactivation of Rb can be mediated either through mutation or as a consequence of interaction with DNA tumor virus-encoded proteins. Of all the Rb associations described to date, the identification of a complex between Rb and the transcription factor E2F most directly implicates Rb in regulation of cell proliferation. E2F was originally identified through its role in transcriptional activation of the adenovirus E2 promoter. Sequences homologous to the E2F binding site have been found upstream of a number of genes that encode proteins with putative functions in the G1 and S phases of the cell cycle. E2F-1 is a member of a broader family of transcription regulators including E2F-2, E2F-3, E2F-4, E2F-5, E2F-6 and E2F-7 each of which forms heterodimers with a second protein, DP-1, forming an active E2F transcriptional regulatory complex.

Note: This product is for in vitro research use only