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Datasheet for ABIN655583

anti-DUX4 antibody (AA 246-275)

3 Images

Overview

Quantity:	400 µL
Target:	DUX4
Binding Specificity:	AA 246-275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUX4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This DUX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246-275 amino acids from the Central region of human DUX4.
Clone:	RB29833
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	DUX4
Alternative Name:	DUX4 (DUX4 Products)
Background:	DUX4 may be involved in transcriptional regulation.

Target Details

Molecular Weight:	44940
Gene ID:	22947
NCBI Accession:	NP_001264985
UniProt:	Q9UBX2

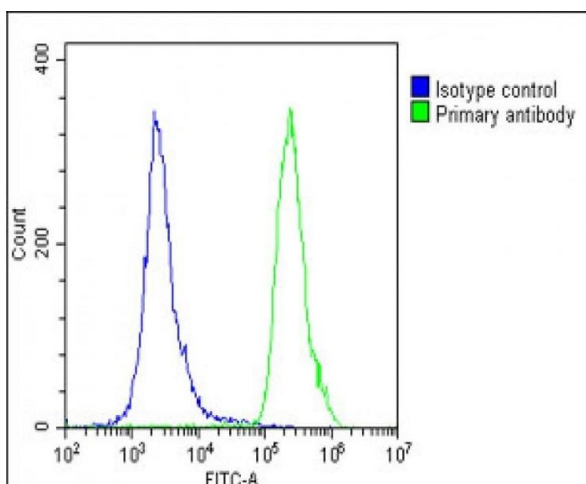
Application Details

Application Notes:	WB: 1:1000. WB: 1:2000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

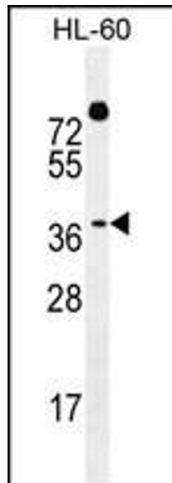
Images



Flow Cytometry

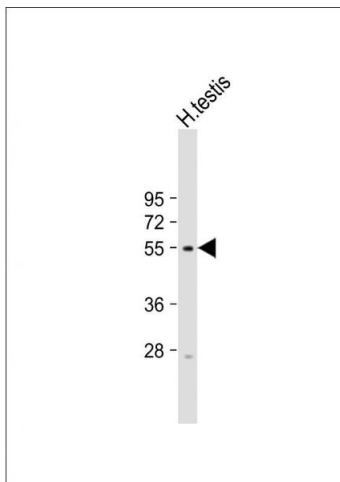
Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN655583 and ABIN2845073)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN655583 and ABIN2845073), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-

Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. DUX4 Antibody (Center) (ABIN655583 and ABIN2845073) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the DUX4 antibody detected the DUX4 protein (arrow).



Western Blotting

Image 3. Anti-DUX4 Antibody (Center) at 1:2000 dilution + Human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.