Datasheet for ABIN7653910

anti-FBXO5 antibody (AA 1-250) (CF®740)

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Overview

Quantity:	100 µL
Target:	FBXO5
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FBXO5 antibody is conjugated to CF®740
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	EMI1(EMI1/1176), CF740 conjugate
Immunogen:	Recombinant fragment (203 amino acid residues between aa 1-250) of human EMI1 protein
Clone:	EMI1-1176
Isotype:	IgG2a, kappa
Characteristics:	This antibody recognizes a 56 kDa protein, which is identified as Early Mitotic Inhibitor-1 (EMI1). It regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). Emi1 is a conserved F box protein containing a zinc-binding region essential for APC inhibition. The Emi1 protein functions to promote cyclin A accumulation and S phase entry in somatic cells by inhibiting the APC complex. At the G1-S transition, Emi1 is transcriptionally induced by the E2F transcription factor. Emi1 overexpression accelerates S-phase entry and can override a G1

Product Details

	block caused by overexpression of Cdh1 or the E2F-inhibitor p105 retinoblastoma protein (pRb). Depleting cells of Emi1 through RNA interference prevents accumulation of cyclin A and inhibits S phase entry.Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	FBXO5
Alternative Name:	EMI1
Background:	Synonyms: Early Mitotic Inhibitor-1 (EMI1), FBX5, Fbxo31 Gene Symbol: FBXO5
Molecular Weight:	56 kDa
Gene ID:	26271
UniProt:	Q9UKT4
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Immunofluorescence: 0.5-1 µg/mL. Immunohistology formalin-fixed 0.5-1 µg/mL. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Western blotting 1-2 µg/mL. Flow Cytometry 0.5-1 µg/million cells/0.1 mL. Optimal dilution for a specific application should be determined by user
Comment:	Positive Control: HeLa, 293 or HepG2 cells. Ovarian carcinoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL

Handling

Buffer:	PBS, 0.1 % rBSA, 0.05 % 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.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months