

Datasheet for ABIN6252698
anti-FBX05 antibody (N-Term)



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Overview

Quantity:	100 µg
Target:	FBX05
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FBX05 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	A human partial recombinant N-terminal protein fragment was used as the immunogen for the EMI-1 antibody.
Clone:	FBXP5
Isotype:	IgG2a kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	FBX05
Alternative Name:	EMI-1 (FBX05 Products)

Target Details

Background:	Early Mitotic Inhibitor-1 regulates mitosis by inhibiting the anaphase promoting complex/cyclosome (APC). It is a conserved F box protein containing a zinc-binding region essential for APC inhibition. The protein functions to promote cyclin A accumulation and S phase entry in somatic cells by inhibiting the APC complex. At the G1-S transition, EMI-1 is transcriptionally induced by the E2F transcription factor. Overexpression accelerates S-phase entry and can override a G1 block caused by overexpression of Cdh1 or the E2F-inhibitor p105 retinoblastoma protein (pRb). Depleting cells of EMI-1 through RNA interference prevents accumulation of cyclin A and inhibits S phase entry.
Gene ID:	26271
UniProt:	Q9UKT4
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	Western blot: 1-2 µg/mL Immunofluorescence: 0.5-1 µg/mL Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1) Prediluted format : incubate for 30 min at RT (2) Optimal dilution of the EMI-1 antibody should be determined by the researcher. 1. 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 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.1 mg/mL BSA and 0.05 % sodium azide

Handling

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:	-20 °C
Storage Comment:	Aliquot and Store at -20C. Avoid freez-thaw cycles.