Anti-RNF144B antibody

Cat. No.	ml222523
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-RNF144B rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human RNF144B
Reactivity	Human, Mouse
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	RNF144B
Full name	ring finger protein 144B

Synonyms	PIR2; IBRDC2; p53RFP; bA528A10.3
Swissprot	Q7Z419

Target Background

p53 is the most commonly mutated gene in human cancer identified to date. Expression of p53 leads to inhibition of cell growth by preventing progression of cells from G1 to S phase of the cell cycle. Most importantly, p53 functions to cause arrest of cells in the G1 phase of the cell cycle following any exposure of cells to DNA-damaging agents. The MDM2 (murine double minute-2) protein was initially identified as an oncogene in a murine transformation system. MDM2 functions to bind p53 and block p53-mediated transactivation of cotransfected reporter constructs. The MDM2 gene is amplified in a high percentage of human sarcomas that retain wildtype p53 and tumor cells that overexpress MDM2 can tolerate high levels of p53 expression. Another p53 target protein is the p53-inducible RING finger protein (p53RFP), an auto-ubiquitinylated protein acting as an E3 ubiquitin ligase. p53RFP, also designated IBRDC2 in mouse and rat, receives ubiquitin from specific E2 ubiquitin-conjugating enzymes and transfers it to substrates that promote their degradation by the proteasome. p53RFP may mediate re-entry into the cell cycle.

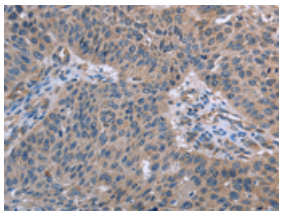
Applications

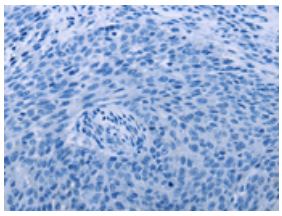
Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

Recommended dilution: 50-200



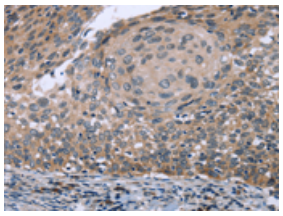


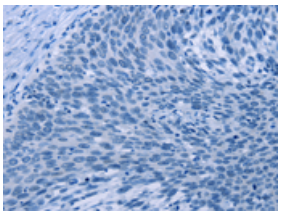
The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml222523(RNF144B Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 50-200





The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml222523(RNF144B Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:34 kDa

Positive control:TM4 cells

Recommended dilution: 200-1000

Gel: 8%SDS-PAGE

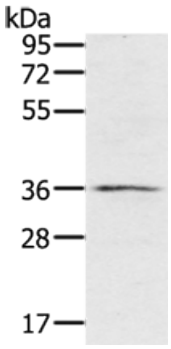
Lysate: 40 μg

Lane: TM4 cells

Primary antibody: ml222523(RNF144B Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 3 minutes



ELISA

Recommended dilution: 2000-5000

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