

Anti-Phospho MDM2 (Ser186) [2G2 2.2]

Catalogue number: 151309

Sub-type: Primary antibody

Images:

Contributor

Inventor: David Meek

Institute: University of Dundee

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Phospho MDM2 (Ser186) [2G2 2.2]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which targets the critical ser186 residue for MDM2 function.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Peptide QRKRHKS(p)DSIS. S(p) represent a phosphorylated serine. This peptide represents the portion of MDM2 around Serine 186

Immunogen UNIPROT ID: Q00987

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Breast carcinoma

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Murine Double Minute 2 protein (MDM2), Phosphorylated (Serine 186)

Target alternate names:

Target background: MDM2 is a ubiquitin ligase whose principal function is the ubiquitination and degradation of p53 tumour suppressor protein. This promotes progression through the cell cycle and cell survival. MDM2 has been shown to negatively regulate p53 function. MDM2 binds and inhibits transactivation role played by p53 and overexpression of MDM2 can result in the inactivation of p53 and decrease its tumour suppressor function. MDM2 is over-expressed in many tumours, including soft tissue carcinomas and breast cancer. The phosphorylation of serines 166 and 186 is necessary for MDM2's translocation into the nucleus, thereby facilitating interaction with p53. More than 40 different alternatively spliced transcript variants of MDM2 have been isolated from both tumour and normal tissues. This antibody is directed against serine 186, which is crucial for MDM2 function.

Molecular weight: 90 kDa

Ic50:

Applications

Application: WB ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Bowen et al. 2011. J Cell Biol. 194(2):187-97. PMID: 21788367. ; Septin GTPases spatially guide microtubule organization and plus end dynamics in polarizing epithelia. ; Askham et al. 2002. Mol Biol Cell. 13(10):3627-45. PMID: 12388762. ; Evidence that an interaction between EB1 and p150(Glued) is required for the formation and maintenance of a radial microtubule array anchored at the centrosome.

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