Human MDM2
Clone 1B10
Cat. no. MONX10240

Specificity
This is a Murine double minute 2 (MDM2) gene product. It also reacts with the human homologue of MDM2 protein. The human phosphoprotein homologue of the murine double minute 2 (MDM2) gene, with a molecular weight of 90kD (p90), forms a complex with both mutant and wild type p53 protein. The MDM2 gene product interacts with p53 protein inhibiting p53-mediated transactivation. Overexpression of MDM2 overcomes wild type p53 mediated suppression of transformed cell growth. MDM2 amplification is observed in some soft tissue sarcomas, osteosarcomas and high grade malignant gliomas.

Immunoglobulin type
Murine IgM

Use
The antibody can be used for immunohistochemistry on frozen and paraffin sections.

Instructions for use
Immunohistochemistry:
Typical working dilution 1:50 – 1:100
High temperature antigen unmasking technique.
60 minutes primary antibody incubation at 25°C.
Standard ABC technique.

Staining pattern: Nuclear
Antigen used for immunizations: Prokaryotic recombinant fusion protein corresponding to a site near the C-terminal of the MDM2 molecule.

Positive control
Soft tissue sarcoma, osteosarcoma, high grade malignant gliomas and a small proportion of breast carcinomas.

Presentation
Lyophilised tissue culture supernatant containing 15mM sodium azide.
Reconstitute with 1ml or 0.1ml of sterile distilled water as indicated on vial label.

Literature

**Storage and Handling**

Store unopened lyophilized antibody at 4°C. The reconstituted antibody is stable for at least two months when stored at 4°C. For long term storage, it is recommended that aliquots of the antibody are frozen at –20°C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.