

# AB-NN289-1

## MDC1 Antibody

Pan-specific monoclonal antibody (P2B11) for monitoring the expression of mouse MDC1



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Mediator of DNA damage checkpoint protein 1
<b>Alias:</b>	Nuclear factor with BRCT domains1, mediator of DNA damage checkpoint 1
<b>UniProt ID:</b>	Q5PSV9 - Mouse
<b>Human Predicted Mass (KDa):</b>	226.666 (2089 AA; Q14676-1); 197.598 (1825 AA; Q14676-2); 195.986 (1802 AA; Q14676-3); 116.634 (1066 AA; Q14676-4)
<b>Observed SDS-PAGE Mass (KDa):</b>	184

### Immunogen

<b>Antibody Immunogen Source:</b>	GST-tagged recombinant protein corresponding to mouse MDC1 at and around the N-terminus
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:2000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Bovine   Chimpanzee
<b>Antibody Positive Control:</b>	0.5 µg/ml of SMC-197 was sufficient for detection of MDC1 in 10 µg of HeLa cell lysate by ECL immunoblot analysis.
<b>Target Detection Immunoblotting:</b>	In mouse brain lysates, this antibody detects a ~184 kDa protein. This antibody recognizes MDC1 at and around the N-terminus.
<b>Antibody Specificity:</b>	Very High

This product is for in vitro research use only and is not intended for use in humans or animals.

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