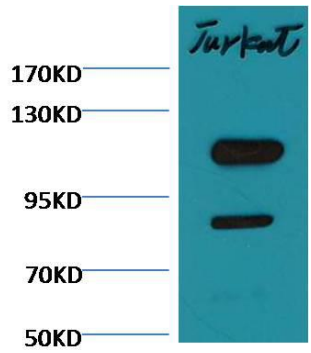
ELK Biotechnology

Cleaved PARP Mouse mAb
Catalog NO.: EM1145
For research use only.

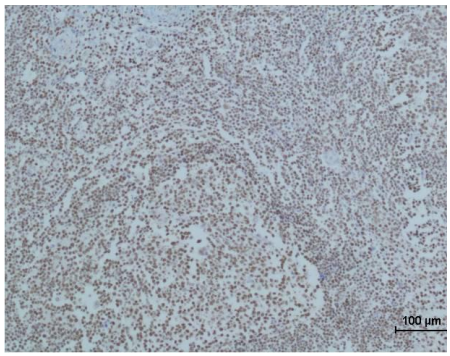
Overview

Product name	Cleaved PARP Mouse Monoclonal antibody
Source	Mouse
Applications	**WB IHC**
Species reactivity	**Human**
Recommended dilutions	**WesternBlot:1/2000-5000** **Immunohistochemistry:1/200-500** **NOTE: Optimal dilutions should be determined by the end user.**
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	**11689kDa**
GeneID（Human）	142
Human Swiss-Prot No.	P09874
Cellular localization	N/A
Alternative Names	PARP-1 Poly(ADP ribose) polymerase sPARP1ADPRT1 ADP ribosyltransferase NAD(+)
Background	Poly [ADP-ribose] polymerase (PARP-1) also known as NAD+ ADP-ribosyltransferase or poly[ADP-ribose] synthase is an enzyme that in humans is encoded by the PARP1 gene. PARP1 has a role in repair of single-stranded DNA (ssDNA) breaks. Knocking down intracellular PARP1 levels with siRNA or inhibiting PARP1 activity with small molecules reduces repair of ssDNA breaks. In the absence of PARP1 when these breaks are

encountered during DNA replication the replication fork stalls and double-strand DNA (dsDNA) breaks accumulate.



Western blot analysis of Jurkat with EM1145 diluted at:2000.



Immunohistochemical analysis of paraffin-embedded human Tonsil Tissue using Cleaved PARP （EM1145） Mouse mAb diluted at:500.