

XRCC1 Rabbit mAb
Catalog # AP78620**Specification****XRCC1 Rabbit mAb - Product Information**

Application	WB, IHC-P, ICC
Primary Accession	P18887
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	69498

XRCC1 Rabbit mAb - Additional Information**Gene ID** 7515**Other Names**

XRCC1

Format

Liquid

XRCC1 Rabbit mAb - Protein Information**Name** XRCC1 {ECO:0000303|PubMed:2247054, ECO:0000312|HGNC:HGNC:12828}**Function**

Scaffold protein involved in DNA single-strand break repair by mediating the assembly of DNA break repair protein complexes (PubMed: [11163244](http://www.uniprot.org/citations/11163244), PubMed: [28002403](http://www.uniprot.org/citations/28002403)). Negatively regulates ADP- ribosyltransferase activity of PARP1 during base-excision repair in order to prevent excessive PARP1 activity (PubMed: [28002403](http://www.uniprot.org/citations/28002403), PubMed: [34102106](http://www.uniprot.org/citations/34102106), PubMed: [34811483](http://www.uniprot.org/citations/34811483)). Recognizes and binds poly-ADP-ribose chains: specifically binds auto-poly-ADP-ribosylated PARP1, limiting its activity (PubMed: [14500814](http://www.uniprot.org/citations/14500814), PubMed: [34102106](http://www.uniprot.org/citations/34102106), PubMed: [34811483](http://www.uniprot.org/citations/34811483)).

Cellular Location

Nucleus. Chromosome Note=Moves from the nucleoli to the global nuclear chromatin upon DNA damage (PubMed:28002403). Recruited to DNA damage sites following interaction with poly-ADP-ribose chains (PubMed:14500814)

Tissue Location

Expressed in fibroblasts, retinal pigmented epithelial cells and lymphoblastoid cells (at protein

level)

XRCC1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

XRCC1 Rabbit mAb - Images