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XRCC2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51616

Specification

XRCC2 Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	O43543
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32 KDa**

XRCC2 Antibody - Additional Information

Gene ID 7516

Other Names
DNA repair protein XRCC2, X-ray repair cross-complementing protein 2, XRCC2

Dilution
WB~~1:1000
IHC-P~~N/A
E~~N/A

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

XRCC2 Antibody - Protein Information

Name XRCC2

Function
Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. Part of the RAD51 paralog protein complex BCDX2 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, BCDX2 acts downstream of BRCA2 recruitment and upstream of RAD51 recruitment. BCDX2 binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.

Cellular Location
Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

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XRCC2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

XRCC2 Antibody - Images

XRCC2 Antibody - Background

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XRCC2 Antibody - References

Liu N.,et al.Mol. Cell 1:783-793(1998).
Tambini C.E.,et al.Genomics 41:84-92(1997).
Cartwright R.,et al.Nucleic Acids Res. 26:3084-3089(1998).
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