

Product Datasheet

Ku70/XRCC6 Antibody (N3H10)

NB100-1915

Unit Size: 500 uL

Store at 4C. Do not freeze.

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NB100-1915

Ku70/XRCC6 Antibody (N3H10)

| Product Information | |
|-------------------------|-----------------------------|
| Unit Size | 500 uL |
| Concentration | 0.2 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Monoclonal |
| Clone | N3H10 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG2b |
| Purity | Protein A purified |
| Buffer | PBS (pH 7.4) and 0.2% BSA |
| Target Molecular Weight | 70 kDa |

| Product Description | |
|---------------------|---|
| Host | Mouse |
| Gene ID | 2547 |
| Gene Symbol | XRCC6 |
| Species | Human, Mouse, Rat, Hamster, Primate, Xenopus |
| Reactivity Notes | Clawed frog. Rat reactivity reported in scientific literature (PMID: 17631504). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. |
| Immunogen | Human placental extract designated as PSE1-PL |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated |
| Recommended Dilutions | Western Blot 0.25 - 0.5 ug/mL, Flow Cytometry 0.25 ug, Immunohistochemistry 1:200 - 1:400, Immunocytochemistry/Immunofluorescence 1:50 - 1:200, Immunoprecipitation 2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:400, Knockdown Validated |
| Application Notes | May be useful in IHC-P. Flow usage was reported in scientific literature. Knockdown validation (PMID: 31812125). |



Publications

Bui TM, Butin-Israeli V, Wiesolek HL et al. Neutrophils Alter DNA Repair Landscape to Impact Survival and Shape Distinct Therapeutic Phenotypes of Colorectal Cancer *Gastroenterology* 2021-03-19 [PMID: 33753103] (Mouse)

Ji Z, Zhou Y, Wang H et al. Inhibition of DNA Repair Protein Ku70 in High-Glucose Environment Aggravates the Neurotoxicity Induced by Bupivacaine in SH-SY5Y Cells *BioMed Research International* 2020-01-31 [PMID: 32076604] (WB, Human)

Loshchenova P, Sergeeva S, Limonov D et al. s Sp1-independent downregulation of NHEJ in response to BER deficiency *DNA Repair* 2019-11-01 [PMID: 31812125] (KD, WB, Human)

Wang Y, Lai L, Guo W et al. Inhibition of Ku70 in a high- glucose environment aggravates bupivacaine-induced dorsal root ganglion neurotoxicity *Toxicol. Lett.* 2019-10-28 [PMID: 31672611] (WB, Mouse)

Yoon S, Stadler G, Beermann ML et al. Immortalized myogenic cells from congenital muscular dystrophy type1A patients recapitulate aberrant caspase activation in pathogenesis: a new tool for MDC1A research. *Skelet Muscle* 2013-12-06 [PMID: 24314268] (ICC/IF, Human)

Doster A, Ziegler S, Foermer S et al. PTO-modified CpG oligodeoxynucleotides mimic autoantigens and reveal a potential role for TLR9 in receptor revision *Immunology* 2013-01-05 [PMID: 23289794] (FLOW, Human)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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