DNA repair protein XRCC1 Antibody

Mouse Monoclonal Antibody [Clone XRCC1/17056]

Catalog No	Format	Size
7515-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7515-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7515-MSM1-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	XRCC1/17056
Immunogen	Recombinant fragment (around aa 94-205) of human XRCC1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	69.5kDa
Cellular Localization	Chromosome, Nucleus
Species Reactivity	Human
Positive Control	Expressed in fibroblasts, retinal pigmented epithelial cells and lymphoblastoid cells (at protein level)

**Optimal dilution for a specific application should be determined.*

Product Images for DNA repair protein XRCC1 Antibody

Specificity & Comments

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

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.