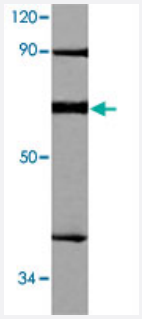
XRCC6 polyclonal antibody

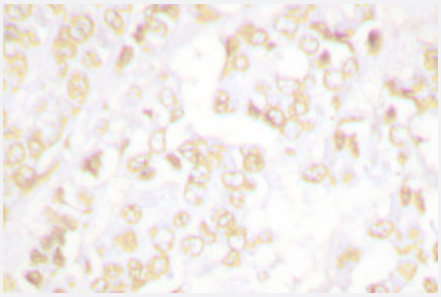
Catalog # PAB27105 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with XRCC6 polyclonal antibody (Cat # PAB27105) at 1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using XRCC6 polyclonal antibody (Cat # PAB27105).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of XRCC6.
Immunogen	A synthetic peptide corresponding to human XRCC6.
Host	Rabbit
Theoretical MW (kDa)	~70.0
Reactivity	Human, Mouse
Specificity	XRCC6 polyclonal antibody detects endogenous levels of XRCC6 protein.
Form	Liquid

Purification	Antigen affinity purification
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate with XRCC6 polyclonal antibody (Cat # PAB27105) at 1:500 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using XRCC6 polyclonal antibody (Cat # PAB27105).

Gene Info — XRCC6

Entrez GeneID	2547
Protein Accession#	P12956
Gene Name	XRCC6
Gene Alias	CTC75, CTCBF, G22P1, KU70, ML8, TLAA
Gene Description	X-ray repair complementing defective repair in Chinese hamster cells 6
Omim ID	152690
Gene Ontology	Hyperlink
Gene Summary	The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent AT P-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends s uch as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus ery thematosus. [provided by RefSeq

Other Designations	ATP-dependent DNA helicase II, 70 kDa subunit|CTC box binding factor 75 kDa subunit|Ku autoantigen p70 subunit|Ku autoantigen, 70kDa|OTTHUMP00000028581|thyroid autoantigen 70kD (Ku antigen)|thyroid autoantigen 70kDa (Ku antigen)|thyroid-lupus autoantigen

Pathway

- Non-homologous end-joining

Disease

- Adenocarcinoma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Central Nervous System Neoplasms
- Diabetes Mellitus
- DNA Damage
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genomic Instability
- Glioma
- Head and Neck Neoplasms
- Kidney Failure
- Lung Neoplasms
- Male Urogenital Diseases

- Micronuclei

- Mouth Neoplasms
- Multiple Sclerosis
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Pterygium
- Radiodermatitis
- Urinary Bladder Neoplasms
- Werner syndrome