

## ARG43520 anti-ERCC2 / XPD antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ERCC2 / XPD
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ERCC2 / XPD
Species	Human
Immunogen	Recombinant protein containing to human ERCC2 / XPD.
Conjugation	Un-conjugated
Alternate Names	ACTN2; Actinin Alpha 2; F-Actin Cross-Linking Protein; Alpha-Actinin-2; Alpha-Actinin Skeletal Muscle Isoform 2; Alpha-Actinin Skeletal Muscle; CMD1AA; MYOCOZ; CMH23; CMYO8; CMYP8; MPD6

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	87 kDa	

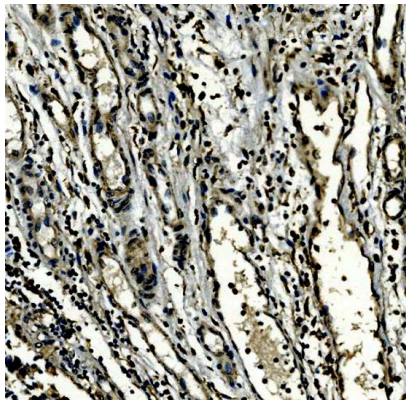
### Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

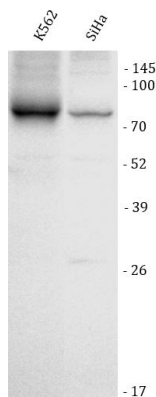
Gene Symbol	ERCC2
Gene Full Name	excision repair cross-complementation group 2
Background	The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
Function	ATP-dependent 5'-3' DNA helicase, component of the core-TFIIH basal transcription factor. Involved in nucleotide excision repair (NER) of DNA by opening DNA around the damage, and in RNA transcription by RNA polymerase II by anchoring the CDK-activating kinase (CAK) complex, composed of CDK7, cyclin H and MAT1, to the core-TFIIH complex. Involved in the regulation of vitamin-D receptor activity. As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation. Might have a role in aging process and could play a causative role in the generation of skin cancers. [UniProt]
Calculated Mw	87 kDa
PTM	Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm; Cytoskeleton; Nucleus. [UniProt]

## Images



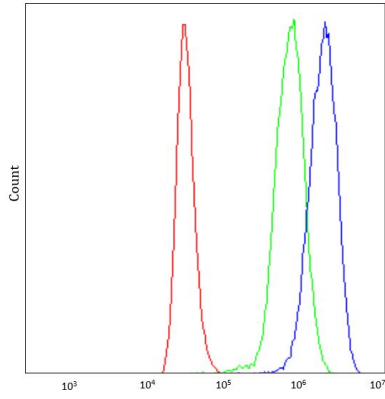
ARG43520 anti-ERCC2 / XPD antibody IHC-P image

Immunohistochemistry: Human bladder epithelial carcinoma stained with ARG43520 anti-ERCC2 / XPD antibody at 2 µg/ml dilution.



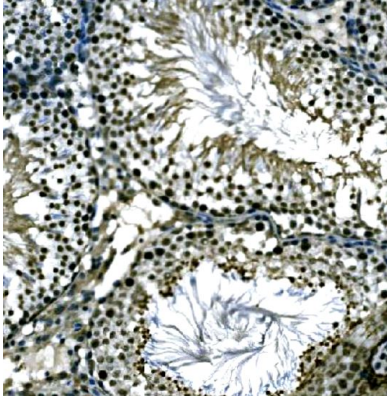
ARG43520 anti-ERCC2 / XPD antibody WB image

Western blot: K562 and SiHa stained with ARG43520 anti-ERCC2 / XPD antibody at 0.5 µg/ml dilution.



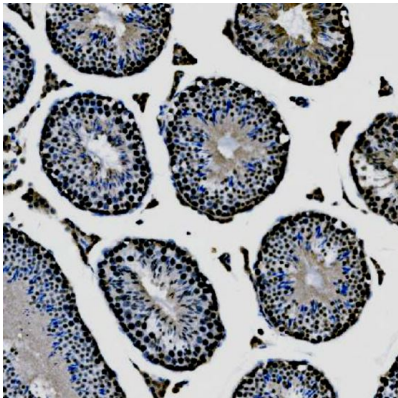
#### ARG43520 anti-ERCC2 / XPD antibody FACS image

Flow Cytometry: THP-1 stained with ARG43520 anti-ERCC2 / XPD antibody at  $1 \mu\text{g}/10^6$  cells dilution.



#### ARG43520 anti-ERCC2 / XPD antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG43520 anti-ERCC2 / XPD antibody at  $2 \mu\text{g}/\text{ml}$  dilution.



#### ARG43520 anti-ERCC2 / XPD antibody IHC-P image

Immunohistochemistry: Mouse testis stained with ARG43520 anti-ERCC2 / XPD antibody at  $2 \mu\text{g}/\text{ml}$  dilution.