

ARIP4/RAD54L2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57898

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y4B4
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	162769

Additional Information

Gene ID	23132
Other Names	Helicase ARIP4, 3.6.4.12, Androgen receptor-interacting protein 4, RAD54-like protein 2, RAD54L2, ARIP4, KIAA0809
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RAD54L2
Synonyms	ARIP4, KIAA0809
Function	Helicase that modulates androgen receptor (AR)-dependent transactivation in a promoter-dependent manner (By similarity). May stimulate the release of RNA polymerase II, that has paused near the transcription start sites of AR-targeted genes and unwind R-loops formed at these sites; R-loops result from the hybridization of the short RNA strand nascently synthesized by the paused RNA polymerase II molecule and the DNA template (PubMed: 39028815). May also stimulate double-strand break formation by TOP2B, which appears important for transcriptional output (PubMed: 39028815). Not able to remodel mononucleosomes in vitro (By similarity).
Cellular Location	Nucleus. Chromosome. Note=Localizes in speckle-like nuclear compartments (By similarity). Localizes to promoter proximal regions on chromatin (PubMed: 39028815). {ECO:0000250 UniProtKB:Q99NG0, ECO:0000269 PubMed: 39028815 }

Tissue Location

Levels elevated in prostatic adenocarcinoma (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.