

Recombinant Human RAD51AP1 protein ab132169

1 Image

Description	
Product name	Recombinant Human RAD51AP1 protein
Expression system	Wheat germ
Accession	<u>Q96B01-2</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MVRPVRHKKPVNYSQFDHSDSDDDFVSATVPLNKKSRT APKELKQDKPKP NLNNLRKEEIPVQEKTTPKKRMALDDKLYQRDLEVALALSV KELPTVTTNV QNSQDKSIEKHGSSKIETMNKSPHISNCVASYLDLKIT VEDDVGGVQ GKRKAASKAAQQRKILLEGSDGDSANDTEPDFAPGEDS EDDSDFCESED NDEDFSMRKSKEVKEIKKKEVKVKSPVEKKEKSKSKCNA LVTSDSAPAA VKSESQSLPKKVSLSSTTRKPLEIRSPAESKKPKWVP PAASGGSRSSS SPLVVVSVKSPNQSLRLGLSRLARVKPLHPNATST
Predicted molecular weight	63 kDa including tags
Amino acids	1 to 335

Specifications	
Our Abpromise guarantee covers the use of ab132169 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	ELISA Western blot SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

May participate in a common DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. Functionally cooperates with PALB2 in promoting of D-loop formation by RAD51. Binds to single and double stranded DNA, and is capable of aggregating DNA. Also binds RNA.

Tissue specificity

Highly expressed in testis and thymus. Lower levels in colon and small intestine. Little or no expression in spleen, prostate, ovary and peripheral blood leukocytes.

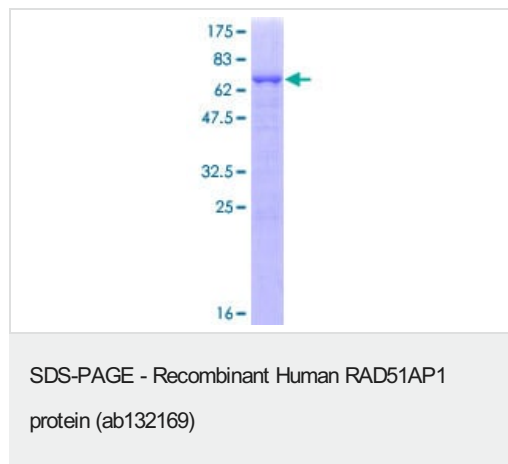
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Nucleus. Colocalizes with RAD51 to multiple nuclear foci.

Images



12.5% SDS-PAGE analysis of ab132169 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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