



Rabbit Anti-XAB2 antibody

SL6080R

Product Name:	XAB2
Chinese Name:	XAB2蛋白抗体
Alias:	0610041O14Rik; adapter protein ATH 55; Adapter protein ATH-55; Ath55; AV025587; Crn related protein kim1; crn-related protein kim1; DKFZp762C1015; HCNP; HCNP protein; HCRN; KIAA1177; NTC90; PP3898; Pre-mRNA-splicing factor SYF1; Protein HCNP; RNA splicing factor; SYF1; SYF1 homolog; SYF1 homolog, RNA splicing factor; SYF1_HUMAN; Xab2; XPA binding protein 2; XPA-binding protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	100kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PBP/HCNP.:65-160/855
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	XAB2 protein (XPA binding protein 2) was first identified through its interaction with XPA, a key factor in nucleotide excision repair pathways. XAB2 therefore appears to

be involved in transcription coupled DNA repair and transcription. Immunoprecipitation experiments have also demonstrated that a fraction of XAB2 interacts with the transcription coupled repair specific proteins CSA and CSB as well as with RNA polymerase II. Microinjection experiments with XAB2 antibodies resulted in the inhibition of both transcription coupled repair and transcription.

Function:

Involved in transcription-coupled repair (TCR), transcription and pre-mRNA splicing.

Subunit:

Associates with RNA polymerase II, the TCR-specific proteins CKN1/CSA and ERCC6/CSB, and XPA. Identified in the spliceosome C complex.

Subcellular Location:

Nucleus (By similarity). Note=Detected in the splicing complex carrying pre-mRNA (By similarity).

Similarity:

Belongs to the crooked-neck family.
Contains 14 HAT repeats.

SWISS:

Q9HCS7

Gene ID:

56949

Database links:

[Entrez Gene: 56949](#)Human

[Entrez Gene: 67439](#)Mouse

[Entrez Gene: 100525328](#)Pig

[Entrez Gene: 245976](#)Rat

[Omin: 610850](#)Human

[SwissProt: Q9HCS7](#)Human

[SwissProt: Q9DCD2](#)Mouse

[SwissProt: Q99PK0](#)Rat

[Unigene: 9822](#)Human

[Unigene: 23739](#)Mouse

[Unigene: 24921](#)Rat

	<p>Important Note:</p>
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This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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