



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.**Research Area** Tumour Cell biology immunology Chromatin and nuclear signals Epigenetics**Immunogen Species** Rabbit**Clonality** Polyclonal**React Species** (predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse,)
WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000**Applications** (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 100kDa**Cellular localization** The nucleus**Form** 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**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic

or diagnostic applications.

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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).

**Product
Detail**

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