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XAB2 Rabbit pAb

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Catalog # AP58372

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9HCS7
Predicted	Rat, Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100010
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PBP/HCNP
Epitope Specificity	65-160/855
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (By similarity). Note=Detected in the splicing complex carrying pre-mRNA (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	56949
Other Names	Pre-mRNA-splicing factor SYF1, Protein HCNP, XPA-binding protein 2, XAB2, HCNP, KIAA1177, SYF1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	XAB2
Synonyms	HCNP, KIAA1177, SYF1
Function	Involved in pre-mRNA splicing as component of the spliceosome (PubMed:11991638, PubMed:28076346, PubMed:28502770). Involved in transcription-coupled repair (TCR), transcription and pre-mRNA splicing (PubMed:10944529, PubMed:17981804).
Cellular Location	Nucleus. Note=Detected in the splicing complex carrying pre-mRNA. {ECO:0000250|UniProtKB:Q99PK0}

Background

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