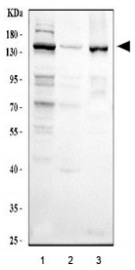
CSB Antibody / Cockayne Syndrome B (R32528)

Catalog No.	Formulation	Size
R32528	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q03468
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml
Limitations	This CSB antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) A431 and 3) SiHa cell lysate with CSB antibody at 0.5ug/ml. Predicted/observed molecular weight: ~168 kDa.

Description

DNA excision repair protein ERCC-6 (also CS-B protein) is a protein that in humans is encoded by the ERCC6 gene. This gene encodes a DNA-binding protein that is important in transcription-coupled excision repair. The encoded protein has ATP-stimulated ATPase activity, interacts with several transcription and excision repair proteins, and may promote complex formation at DNA repair sites. Mutations in this gene are associated with Cockayne syndrome type B and cerebrooculofacioskeletal syndrome 1. Alternative splicing occurs between a splice site from exon 5 of this gene to the 3'

splice site upstream of the open reading frame (ORF) of the adjacent gene, piggyback-derived-3, which activates the alternative polyadenylation site downstream of the piggyback-derived-3 ORF. The resulting transcripts encode a fusion protein that shares sequence with the product of each individual gene.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the CSB antibody to be titrated for optimal performance.

Immunogen

Amino acids 160-205 (QAATSRDINRKLDSVKRQKYNKEQQLKKITAKQKHLQAILGGAEVK) from the human protein were used as the immunogen for the CSB antibody.

Storage

After reconstitution, the CSB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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