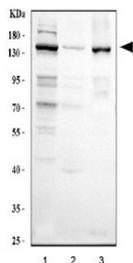


CSB Antibody / Cockayne Syndrome B (R32528)

| 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 (QAATSRDINRKLDSVQRQKYNKEQQLKKITAKQKHLQAILGGAEVK) 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.