

Recombinant Human BAP1 protein ab152849

1 Image

| Description | |
|-------------------|--|
| Product name | Recombinant Human BAP1 protein |
| Purity | >= 80 % Purified via GST Tag. Glutathione Sepharose |
| Expression system | Wheat germ |
| Accession | <u>Q92560</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | MNKGWLELESDPGLFTLLVEDFGVKGVQVEEYDLQSKC QGPVYGFIFLF KWIEERRSRRKVSTLVDDTSVIDDDVNNMFFAHQLIPNSC ATHALLSVL LNCSSVDLGPTLSRMKDFTKGFSPESKGYAIGNAPELAKA HNSHARPEPR HLPEKQNGLSAVRTMEAFHFVSYPITGRLFELDGLKVYPI DHGPWGEDE EWTDKARRVIMERIGLATAGEPYHDIRFNLMAVVPDRRIKY EARLHVLKV NRQTVLEALQQLIRVTQPELIQTHKSQESQLPEESKSASN KSPLVLEANR APAASEGNHTDGAEAAAGSCAQAPSHSPPNKPKLVVKP PGSSLNGVHPNP TPVQQLPAFLDNHNYAKSPMQEEEDLAAGVGRSRVPVR PPQQYSDDDD YEDDEEDDVQNTNSALRYKGKGTGKPGALSGSADGQLS VLQPNTINVLAE KLKESQKDLSIPLSIKTSSGAGSPAVAVPTHSQPSPTPSN ESTDTASEIG SAFNSPLRSPIRSANPTRPSSPVTSHISKVLFGEDDSLRLV DCIRYNRAV RDLGPVISTGLLHLAEDGVLSPLALTEGGKGSSPSIRPIQG SQGSSSPVE KEVVEATDSREKTGMVRPGEPLSGEKYSPKELLALLKCV |

EAEIANYEACL
KEEVEKRKKFKIDDQRRTHNYDEFICTFISMLAQEGMLANL
VEQNISVRR RQGVSIGRLHKQRKPDRRKRSRPYKAKRQ

| | |
|-----------------------------------|------------------------|
| Predicted molecular weight | 107 kDa including tags |
| Amino acids | 1 to 729 |
| Tags | GST tag N-Terminus |

Specifications

Our **Abpromise guarantee** covers the use of **ab152849** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|---------------------|--------------|
| Applications | ELISA |
| | Western blot |
| | SDS-PAGE |

| | |
|-------------|--------|
| Form | Liquid |
|-------------|--------|

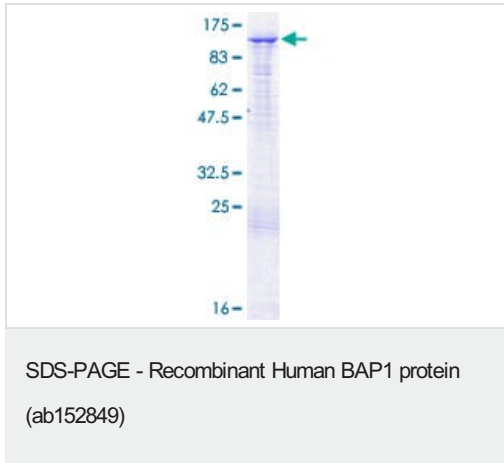
Preparation and Storage

| | |
|------------------------------|--|
| Stability and Storage | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl |
|------------------------------|--|

General Info

| | |
|---|--|
| Function | Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Acts as a tumor suppressor. |
| Tissue specificity | Highly expressed in testis, placenta and ovary. Expressed in breast. |
| Sequence similarities | Belongs to the peptidase C12 family. BAP1 subfamily. |
| Post-translational modifications | Phosphorylated upon DNA damage, probably by ATM or ATR. |
| Cellular localization | Cytoplasm. Nucleus. Mainly nuclear. Binds to chromatin. |

Images



12.5% SDS-PAGE analysis of ab152849 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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