10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HALLEN (RABBIT) Antibody

HALLEN Antibody
Catalog # ASR5272

Specification

Anti-HALLEN (RABBIT) Antibody - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Human**
Reactivity	**Human**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.**
Physical State	**Liquid (sterile filtered)**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 75-100 of Human Hallen. Hallen is a novel BRCT domain containing protein.**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-HALLEN (RABBIT) Antibody - Additional Information

Gene ID 84250

Other Names
84250

Purity
This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

Storage Condition
Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-HALLEN (RABBIT) Antibody - Protein Information

Name SLF1 {ECO:0000303|PubMed:25931565, ECO:0000312|HGNC:HGNC:25408}

Function
Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions (PubMed:25931565, PubMed:36373674).

Cellular Location
Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8R3P9}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q8R3P9} Note=Relocalizes with RAD18 to nuclear foci in response to DNA damage Colocalizes with RAD18 in the nucleus and to centrosomes (By similarity). Associates with chromatin (PubMed:25931565). Accumulates with RAD18 and the SMC5-SMC6 complex at replication-coupled DNA interstrand repair and DNA double-strand breaks (DSBs) sites on chromatin in a ubiquitin-dependent manner (PubMed:25931565) {ECO:0000250|UniProtKB:Q8R3P9, ECO:0000269|PubMed:25931565}

Anti-HALLEN (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HALLEN (RABBIT) Antibody - Images

Anti-HALLEN (RABBIT) Antibody - Background

Anti-HALLEN plays a role in the DNA damage response pathway by regulating post replication repair of UV-damaged DNA and genomic stability maintenance. The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links and DNA double-strand breaks sites on chromatin during DNA repair in response to stalled replication forks. Anti-HALLEN promotes the recruitment of SLF2 and the SMC5-SMC6 complex to DNA lesions. Anti-Hallen Antibody is useful for researchers interested in DNA damage and repair.