

ASH2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

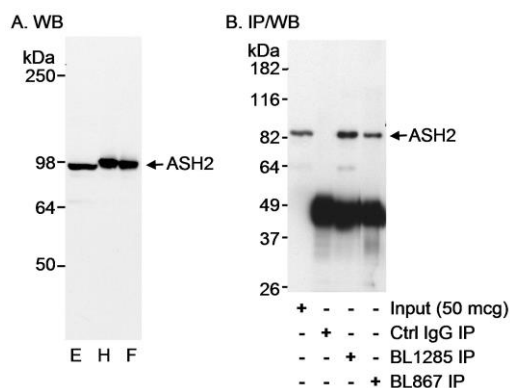
Protein ID Q9UBL3

Catalog No. A300-489A

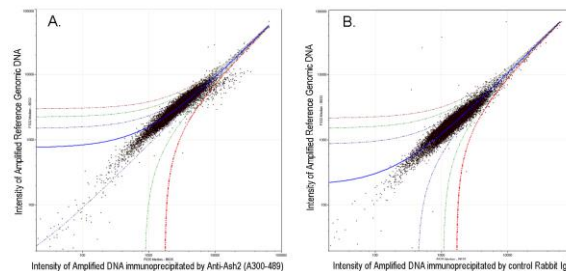
GeneID 9070



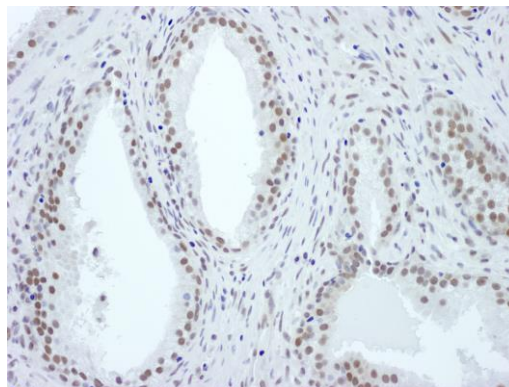
APPLICATIONS	WB, IP, IHC, ChIP, ChIP-chip										
SPECIES REACTIVITY	Human										
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse										
AMOUNT	100 µl										
CONCENTRATION	1000 µg/ml										
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt										
PHYSICAL STATE	Liquid										
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide										
ISOTYPE	IgG										
ORIGIN	USA										
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to ASH2 immobilized on solid support.</p> <p>The epitope recognized by A300-489A maps to a region between residue 575 and the C-terminus (residue 628) of human Absent, Small, or Homeotic-Like 2 using the numbering given in Swiss-Prot entry Q9UBL3 (GeneID 9070).</p> <p>Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>										
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:2,000 - 1:20,000</td></tr><tr><td>Immunoprecipitation</td><td>2 - 5 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr><tr><td>ChIP</td><td>1 - 5 µg. Previous lots of this antibody have performed in this application.</td></tr><tr><td>ChIP-chip</td><td>10 µg. Previous lots of this antibody have performed in this application.</td></tr></table>	Western Blot	1:2,000 - 1:20,000	Immunoprecipitation	2 - 5 µg/mg lysate	Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.	ChIP	1 - 5 µg. Previous lots of this antibody have performed in this application.	ChIP-chip	10 µg. Previous lots of this antibody have performed in this application.
Western Blot	1:2,000 - 1:20,000										
Immunoprecipitation	2 - 5 µg/mg lysate										
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.										
ChIP	1 - 5 µg. Previous lots of this antibody have performed in this application.										
ChIP-chip	10 µg. Previous lots of this antibody have performed in this application.										
APPLICATION NOTES	<p>Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.</p>										
IHC HUMAN CONTROLS	Prostate Carcinoma										
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A300-489A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB</p>										



Detection of human ASH2 by western blot and immunoprecipitation. *Samples:* A. Whole cell lysate from HEK293T cells that were mock transfected (E, 50 µg) or transfected with ASH2 expression constructs containing HA-tagged ASH2 (H, 25 µg) or Flag-tagged ASH2 (F, 25 µg). B. Whole cell lysate from one 10cm plate of normal 293T cells (~1 mg protein; 1/2 of IP loaded/lane). *Antibodies:* Affinity purified rabbit anti-ASH2 antibody A300-489A used at 1 µg/ml for WB (A and B) and at 5 µg/plate for IP. ASH2 was also immunoprecipitated with rabbit anti-ASH2 antibody A300-107A using 5 µg/plate. *Detection:* Chemiluminescence with an exposure time of 1 second (A and B).



ChIP-chip scatter plot of anti-Ash2 enriched DNA binding sites versus input reference DNA. A. 10 µg of A300-489A was used to immunoprecipitate chromatin from K-562 cells according to Ren et al (Genes Dev. 2002 16: 245-256). immunoprecipitated DNA and reference DNA were amplified via ligation-mediated PCR and the products labeled with fluorescent dNTPs. The labeled ChIP and reference DNA were pooled, hybridized to a DNA microarray, and analyzed. Data points below the +3 SD curve (red line) represent significantly enriched binding sites. B. As a control, a similar experiment was performed using normal rabbit IgG. Compared to the anti-Ash2 ChIP, normal rabbit IgG showed little enrichment.



Detection of human ASH2 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-ASH2 (Cat. No. A300-489A Lot2) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB