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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# ASH2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID Q9UBL3

Catalog No. A300-489A

GeneID 9070

Lot No. A300-489A-2



<b>APPLICATIONS</b>	WB, IP, IHC, ChIP, ChIP-chip										
<b>SPECIES REACTIVITY</b>	Human										
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Mouse										
<b>AMOUNT</b>	100 µl										
<b>CONCENTRATION</b>	1000 µg/ml										
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt										
<b>PHYSICAL STATE</b>	Liquid										
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide										
<b>ISOTYPE</b>	IgG										
<b>ORIGIN</b>	USA										
<b>PRODUCTION PROCEDURES</b>	<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>										
<b>APPLICATIONS</b>	<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.
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<b>APPLICATION NOTES</b>	<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>										
<b>IHC HUMAN CONTROLS</b>	Prostate Carcinoma										
<b>ADDITIONAL INFO</b>	<p><a href="https://www.bethyl.com/product/A300-489A">https://www.bethyl.com/product/A300-489A</a></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: <a href="https://www.bethyl.com/content/protocol_IP_WB">https://www.bethyl.com/content/protocol_IP_WB</a></p>										

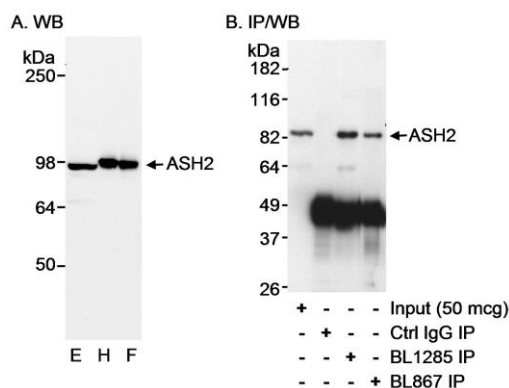
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Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019

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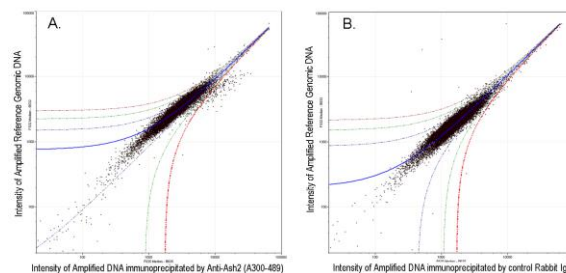
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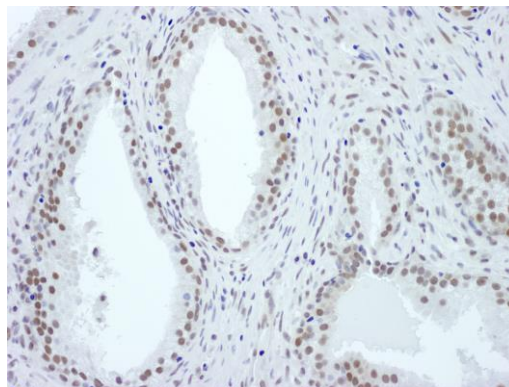
**Detection of human ASH2 by western blot and immunoprecipitation.** *Samples:* A. Whole cell lysate from HEK293T cells that were mock transfected (E, 50 µg) or transfected with ASH2 expression constructs containing HA-tagged ASH2 (H, 25 µg) or Flag-tagged ASH2 (F, 25 µg). B. Whole cell lysate from one 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