**EZH2 Antibody**

**Rabbit Polyclonal**

<table>
<thead>
<tr>
<th>Application(s)</th>
<th>WB, IP, IHC</th>
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**Species Reactivity**

Human, Mouse

**Presumed Reactivity**

Based on 100% sequence identity, this antibody is predicted to react with Zebrafish, X. laevis and X. tropicalis

**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**

Antibody was affinity purified using an epitope specific to EZH2 immobilized on solid support.

The epitope recognized by A304–197A maps to a region between residue 696 to 746 of human Enhancer of Zeste Homolog 2 using the numbering given in entry CAA64955.1 (GeneID 2146).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**Applications**

Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

- Western Blot: 1:500 – 1:2,500
- Immunoprecipitation: 2 – 10 µg/mg lysate
- Immunohistochemistry: 1:500 – 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

**Application Notes**

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).

Western blot of lysates performed using standard western blot reagents and 4–8% SDS–PAGE.

**IHC Human Controls**

Ovarian Carcinoma

**IHC Mouse Controls**

Hybridoma Tumor, Teratoma

**Additional Info**

https://www.bethyl.com/product/A304–197A

Use the link above to view SDS, a current list of citations, and other product specific information.

IP–western blot protocol: https://www.bethyl.com/content/protocol_IP_WB
Detection of human and mouse EZH2 by western blot.  
**Samples:** Whole cell lysate (50 µg) from 293T, HeLa, Jurkat, and mouse TCMK-1 cells. **Antibodies:** Affinity purified rabbit anti–EZH2 antibody A304–197A (lot A304–197A–1) used for WB at 1 µg/ml. **Detection:** Chemiluminescence with an exposure time of 3 minutes.

Detection of human EZH2 by immunohistochemistry.  
**Sample:** FFPE section of human ovarian carcinoma. **Antibody:** Affinity purified rabbit anti–EZH2 (Cat. No. A304–197A Lot1) used at a dilution of 1:1,000 (1 µg/ml). **Detection:** DAB

Detection of mouse EZH2 by immunohistochemistry.  
**Sample:** FFPE section of mouse plasmacytoma. **Antibody:** Affinity purified rabbit anti–EZH2 (Cat. No. A304–197A Lot1) used at a dilution of 1:1,000 (1 µg/ml). **Detection:** DAB