

Datasheet for ABIN537794
anti-EZH2 antibody (AA 1-343)**3** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	EZH2
Binding Specificity:	AA 1-343
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EZH2 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	Rabbit polyclonal antibody raised against partial recombinant Ezh2.
Immunogen:	Recombinant protein corresponding to amino acids 1-343 of the mouse EZH2.
Cross-Reactivity:	Mouse

Target Details

Target:	EZH2
Alternative Name:	EZH2 / KMT6 (EZH2 Products)
Gene ID:	14056
Pathways:	Retinoic Acid Receptor Signaling Pathway , Regulation of Muscle Cell Differentiation

Application Details

Application Notes: The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.05 % sodium azide, 0.05 % proclin 300)

Preservative: ProClin, Sodium azide

Precaution of Use: This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Mathiyalagan, Okabe, Chang, Su, Du, El-Osta: "The primary microRNA-208b interacts with Polycomb-group protein, Ezh2, to regulate gene expression in the heart." in: **Nucleic acids research**, Vol. 42, Issue 2, pp. 790-803, (2014) ([PubMed](#)).

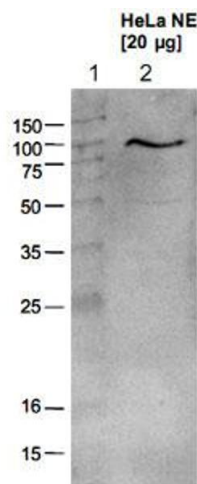
Rugg-Gunn, Cox, Ralston, Rossant: "Distinct histone modifications in stem cell lines and tissue lineages from the early mouse embryo." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 107, Issue 24, pp. 10783-90, (2010) ([PubMed](#)).

Kuzmichev, Margueron, Vaquero, Preissner, Scher, Kirmizis, Ouyang, Brockdorff, Abate-Shen, Farnham, Reinberg: "Composition and histone substrates of polycomb repressive group complexes change during cellular differentiation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 102, Issue 6, pp. 1859-64, (2005) ([PubMed](#)).

Kleer, Cao, Varambally, Shen, Ota, Tomlins, Ghosh, Sewalt, Otte, Hayes, Sabel, Livant, Weiss, Rubin, Chinnaiyan: "EZH2 is a marker of aggressive breast cancer and promotes neoplastic transformation of breast epithelial cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 100, Issue 20, pp. 11606-11, (2003) ([PubMed](#)).

Varambally, Dhanasekaran, Zhou, Barrette, Kumar-Sinha, Sanda, Ghosh, Pienta, Sewalt, Otte,

Rubin, Chinnaiyan: "The polycomb group protein EZH2 is involved in progression of prostate cancer." in: **Nature**, Vol. 419, Issue 6907, pp. 624-9, (2002) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using the Ezh2 polyclonal antibody . In lane 2, HeLa nuclear extract (HeLa NE) was analysed by Western blot using the Ezh2 polyclonal antibody at a dilution of 1 : 1000 in TBS-Tween + 5% skimmed milk. In lane 1, a molecular weight marker is shown.

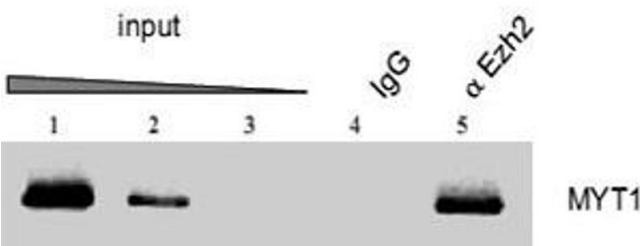
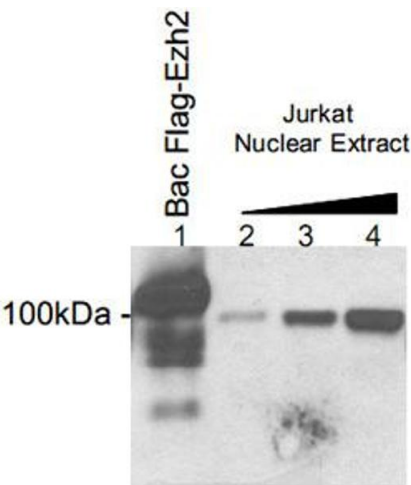


Image 2. ChIP results obtained with the Ezh2 polyclonal antibody . ChIP assays were performed using Jurkat cells.



Western Blotting

Image 3. Western blot analysis using the Ezh2 polyclonal antibody . Extract of insect cells expressing recombinant Flag-Ezh2 (BacFlag-Ezh2) (lane 1) and increasing amounts of Jurkat nuclear extract (lanes 2-4) were analysed by Western blot using the antibody directed against Ezh2 at dilution 1 : 2000. Size and location of the protein are indicated.