

Datasheet for ABIN659002

anti-EZH2 antibody

6 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	EZH2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This EZH2 antibody is generated from mouse immunized with EZH2 recombinant protein.
Clone:	144CT2-1-1-5
Isotype:	IgG1, Ig kappa
Predicted Reactivity:	Pr
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	EZH2
Alternative Name:	EZH2 (EZH2 Products)
Background:	This gene encodes a member of the Polycomb-group (PcG) family. PcG family members form multimeric protein complexes, which are involved in maintaining the transcriptional repressive state of genes over successive cell generations. This protein associates with the embryonic

Target Details

ectoderm development protein, the VAV1 oncoprotein, and the X-linked nuclear protein. This protein may play a role in the hematopoietic and central nervous systems. Two transcript variants encoding distinct isoforms have been identified for this gene.

Molecular Weight: 85363

Gene ID: 2146

NCBI Accession: [NP_001190176](#), [NP_001190177](#), [NP_001190178](#), [NP_004447](#), [NP_694543](#)

UniProt: [Q15910](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: IF: 1:10~50. IF: 1:25. WB: 1:2000. IHC-P: 1:10~50. IHC-P: 1:25. IHC-P: 1:25. IHC: 1:50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Teng, Zhao, Gao, He, Li, Chen, Feng, Yi: "20(s)-Protopanaxadiol (PPD) increases the radiotherapy sensitivity of laryngeal carcinoma." in: **Food & function**, Vol. 8, Issue 12, pp. 4469-4477, (2018) ([PubMed](#)).

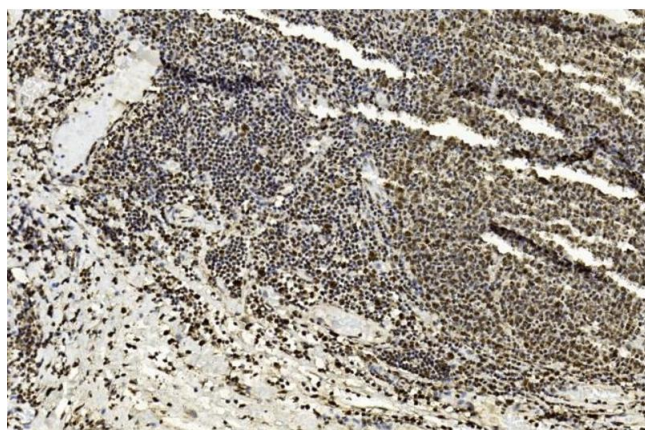
Fletcher, Hill, Long, Gallagher, Shapiro, Rapp: "A fine balance: Regulation of hippocampal

Arc/Arg3.1 transcription, translation and degradation in a rat model of normal cognitive aging." in: **Neurobiology of learning and memory**, Vol. 115, pp. 58-67, (2014) ([PubMed](#)).

Peruquetti, de Mateo, Sassone-Corsi: "Circadian proteins CLOCK and BMAL1 in the chromatoid body, a RNA processing granule of male germ cells." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42695, (2012) ([PubMed](#)).

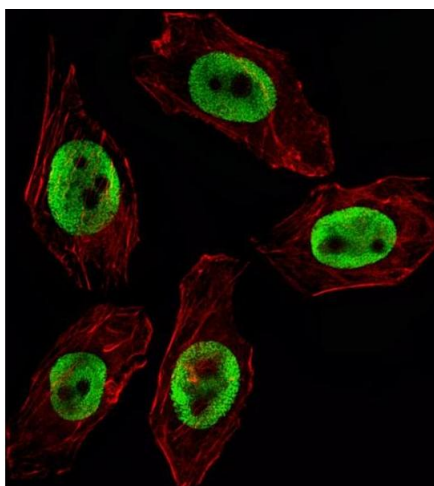
Hoeffler, Cowansage, Arnold, Banko, Moerke, Rodriguez, Schmidt, Klosi, Chorev, Lloyd, Pierre, Wagner, LeDoux, Klann: "Inhibition of the interactions between eukaryotic initiation factors 4E and 4G impairs long-term associative memory consolidation but not reconsolidation." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 108, Issue 8, pp. 3383-8, (2011) ([PubMed](#)).

Images



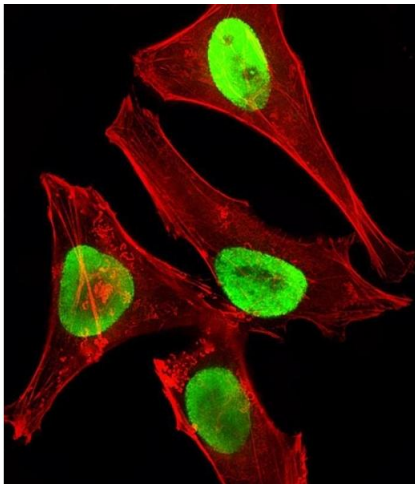
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded Human tonsil section using Pink1 am1836a. am1836a was diluted at 1:50 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunofluorescence

Image 2. Fluorescent image of cell stained with EZH2 Antibody (ABIN659002 and ABIN2838040) / SG100830. cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with EZH2 primary antibody (1:25, 1 h at 37 °C. For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37 °C. Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C. EZH2 immunoreactivity



is localized to Nucleus significantly.

Immunofluorescence

Image 3. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (human cervical epithelial adenocarcinoma cell line) cells labeling EZH2 with A at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-mouse IgG (NA166821) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing nucleus staining on HeLa cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN659002.