

Product datasheet

Anti-ZEB2 antibody - C-terminal ab191364

[4 Images](#)

Overview

Product name	Anti-ZEB2 antibody - C-terminal
Description	Rabbit polyclonal to ZEB2 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide corresponding to Human ZEB2 aa 900-1000 (C terminal). Database link: O60315 Run BLAST with Run BLAST with
Positive control	WB: 293T and HeLa cell lysates; IHC-P: Human glioma tissue, Mouse and Rat brain tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 0.1% Dibasic monohydrogen sodium phosphate, 2.5% BSA, 0.45% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab191364 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 136 kDa. The detection limit for Smad Interacting Protein 1 is approximately 0.5 ng/lane under reducing conditions.

Target**Function**

Transcriptional inhibitor that binds to DNA sequence 5'-CACCT-3' in different promoters. Represses transcription of E-cadherin.

Involvement in disease

Defects in ZEB2 are the cause of Mowat-Wilson syndrome (MWIS) [MIM:235730]; also known as Hirschsprung disease-mental retardation syndrome. A complex developmental disorder characterized by mental retardation, delayed motor development, epilepsy, microcephaly and a wide spectrum of clinically heterogeneous features suggestive of neurocristopathies at the cephalic, cardiac, and vagal levels. Some patients manifest Hirschsprung disease. Affected patients show an easily recognizable facial appearance with deep set eyes and hypertelorism, medially divergent, broad eyebrows, prominent columella, pointed chin and uplifted, notched ear lobes.

Sequence similarities

Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.
Contains 7 C2H2-type zinc fingers.
Contains 1 homeobox DNA-binding domain.

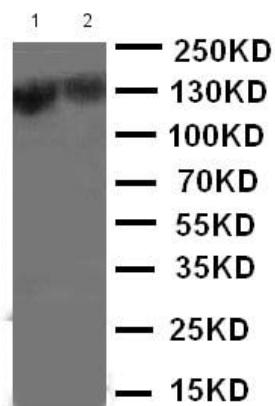
Post-translational modifications

Sumoylation on Lys-391 and Lys-866 is promoted by the E3 SUMO-protein ligase CBX4, and impairs interaction with CTBP1 and transcription repression activity.

Cellular localization

Nucleus.

Images



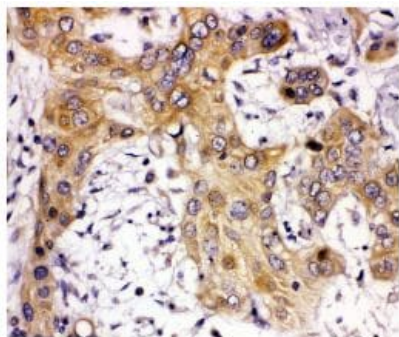
Western blot - Anti-Smad Interacting Protein 1 antibody - C-terminal (ab191364)

All lanes : Anti-ZEB2 antibody - C-terminal (ab191364) at 0.5 $\mu\text{g/ml}$

Lane 1 : 293T cell lysate

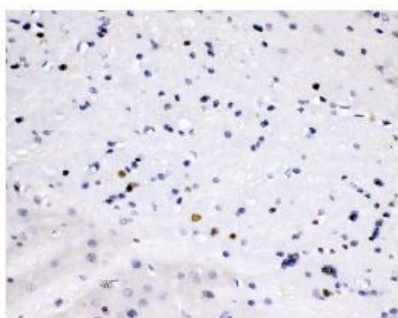
Lane 2 : HeLa cell lysate

Predicted band size: 136 kDa



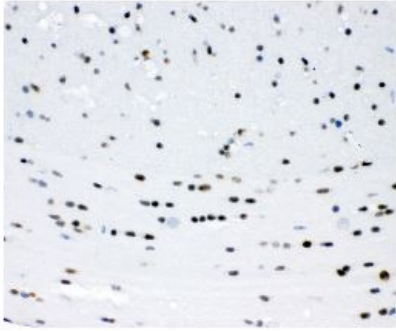
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smad Interacting Protein 1 antibody - C-terminal (ab191364)

Immunohistochemical analysis of paraffin embedded human glioma tissue labelling Smad Interacting Protein 1 with ab191364 at $1\mu\text{g/ml}$ with overnight incubation at 4°C , followed by Biotinylated goat anti-rabbit IgG secondary antibody incubation for 30 minutes at 37°C . Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smad Interacting Protein 1 antibody - C-terminal (ab191364)

Immunohistochemical analysis of paraffin embedded rat brain tissue labelling Smad Interacting Protein 1 with ab191364 at $1\mu\text{g/ml}$ with overnight incubation at 4°C , followed by Biotinylated goat anti-rabbit IgG secondary antibody incubation for 30 minutes at 37°C . Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Smad Interacting Protein 1 antibody - C-terminal (ab191364)

Immunohistochemical analysis of paraffin embedded mouse brain tissue labelling Smad Interacting Protein 1 with ab191364 at 1µg/ml with overnight incubation at 4°C, followed by Biotinylated goat anti-rabbit IgG secondary antibody incubation for 30 minutes at 37°C. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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