

For Research Use Only

ZEB2 Polyclonal antibody

Catalog Number: 14026-1-AP

Featured Product

74 Publications



Basic Information

Catalog Number:

14026-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5171

GenBank Accession Number:

BC060819

GeneID (NCBI):

9839

UNIPROT ID:

O60315

Full Name:

zinc finger E-box binding homeobox 2

Calculated MW:

136 kDa

Observed MW:

150-170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, CoIP, ChIP, RIP

Species Specificity:

human

Cited Species:

human, mouse, rat, chicken, zebrafish

Positive Controls:

WB: A549 cells, HepG2 cells, HeLa cells

IHC: human gliomas tissue, human lung cancer tissue, human renal cell carcinoma tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Zinc finger E-box-binding homeobox (ZEB2) is a key transcription factor that acts as a multifunctional regulator during nervous system development. ZEB2 contains two zinc finger domains and a homeodomain-like sequence and interacts with the TGF- β superfamily signaling regulators, Smads, to regulate the expression of their downstream genes. ZEB2 is expressed in the developing neural tube, as well as in neural crest cells, the hippocampus and the cerebral cortex. ZEB2 has previously been implicated in EMT, cell-cycle progression, apoptosis and senescence. ZEB2 was overexpressed in bladder, ovarian, stomach, pancreatic and squamous cell carcinoma, in the intestinal subtype of stomach cancers, and at the invasive front of CRC where EMT is most prominent. ZEB2 also mediates cell-fate decision in neuronal, T cells and hematopoietic stem cells. The calculated molecular weight of ZEB2 is 136 kDa, but we find the 95 kDa band in some publication (PMID: 27659015)

Notable Publications

Author	Pubmed ID	Journal	Application
Liming Wang	31566718	J Cell Physiol	WB
Rongkun Li	34568024	Front Oncol	WB
Mengying Li	34492118	J Periodontal Res	WB, IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

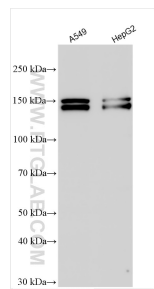
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

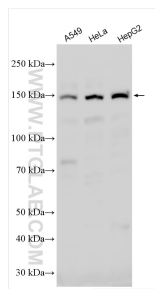
E: proteintech@ptglab.com
W: ptglab.com

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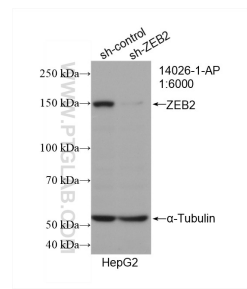
Selected Validation Data



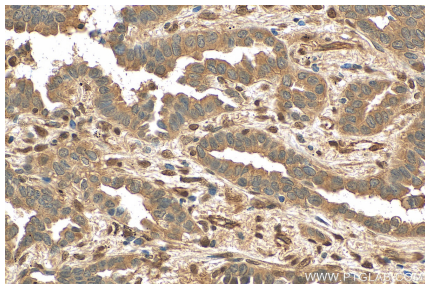
Various lysates were subjected to SDS PAGE followed by western blot with 14026-1-AP (ZEB2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



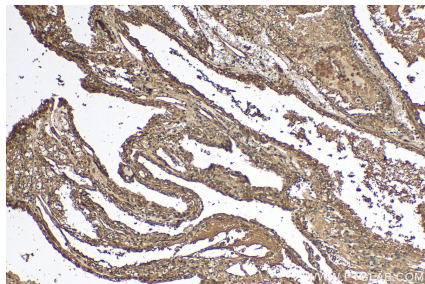
Various lysates were subjected to SDS PAGE followed by western blot with 14026-1-AP (ZEB2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



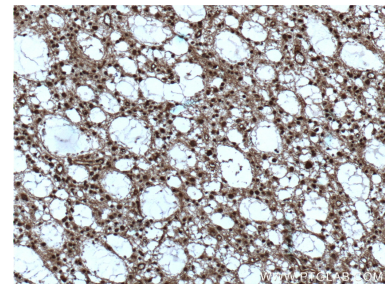
WB result of ZEB2 antibody (14026-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZEB2 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14026-1-AP (ZEB2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 14026-1-AP (ZEB2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 14026-1-AP (ZEB2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).