

Rabbit ZEB2 Polyclonal Antibody | anti-ZEB2 antibody

Phospho-ZEB2 (Ser784) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329333	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ZEB2; Polyclonal Antibody; Phospho-ZEB2 (Ser784) Antibody; FLJ42816; HSPC082; KIAA0569; SIP 1; SIP1; Smad Interacting Protein 1; Smad-interacting protein 1; SMADIP 1; SMADIP1; ZEB 2; Zeb2; ZEB2_HUMAN; Zfhx1b; ZFHx1B protein; Zfx1b; Zinc finger E box binding protein 2; Zinc finger E-box-binding homeobox 2; Zinc finger homeobox 1b; zinc finger homeobox protein 1; Zinc finger homeobox protein 1b; anti-ZEB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-ZEB2 (Ser784) Antibody detects endogenous levels of ZEB2 only when phosphorylated at Ser784.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ZEB2 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZEB2 around the phosphorylation site of Ser784.
Conjugation	Unconjugated
Fragment	Fab fragment
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.
Subunit Structure	Binds activated SMAD1, activated SMAD2 and activated SMAD3; binding with SMAD4 is not detected (By similarity). Interacts with CBX4 and CTBP1.
Similarity	Belongs to the delta-EF1/ZFH-1 C2H2-type zinc-finger family.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



IHC (Immunohistochemistry)

Staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Rat liver, using Phospho-ZEB2 (Ser784) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ZEB2 antibody	Transcriptional inhibitor that binds to DNA sequence 5'-CACCT-3' in different promoters. Represses transcription of E-cadherin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	284413746
NCBI GeneID	9839
NCBI Accession #	NP_001165124.1
NCBI GenBank Nucleotide #	NM_001171653.1
UniProt Accession #	O60315; Q9UED1; A0JP09; B7Z2P2; F5H814
Molecular Weight	136,447 Da
NCBI Official Full Name	zinc finger E-box-binding homeobox 2 isoform 2
NCBI Official Synonym Full Names	zinc finger E-box binding homeobox 2
NCBI Official Symbol	ZEB2
NCBI Official Synonym Symbols	SIP1; SIP-1; ZFHX1B; HSPC082; SMADIP1
NCBI Protein Information	zinc finger E-box-binding homeobox 2; zinc finger homeobox 1b; SMAD interacting protein 1; Smad-interacting protein 1
UniProt Protein Name	Zinc finger E-box-binding homeobox 2
UniProt Gene Name	ZEB2
UniProt Synonym Gene Names	KIAA0569; SIP1; ZFHX1B; ZFX1B; SMADIP1
UniProt Entry Name	ZEB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.