Human ZEB1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 639925

Catalog Number: MAB11504

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ZEB1 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 639925
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human ZEB1 Glu430-Ser575 Accession # P37275
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.

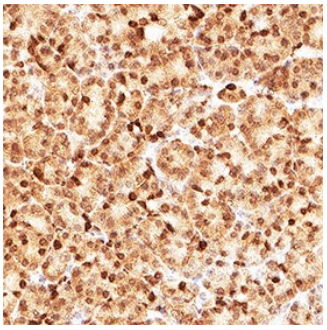
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunohistochemistry	3-25 µg/mL	Immersion fixed paraffin-embedded sections of human pancreas and human skeletal muscle

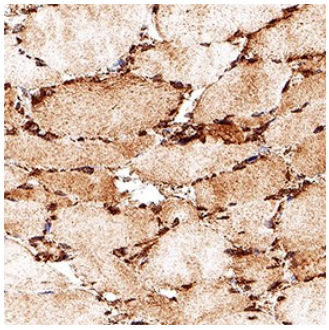
DATA

Immunohistochemistry



Detection of ZEB1 in Human Pancreas. ZEB1 was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human ZEB1 Monoclonal Antibody (Catalog # MAB11504) at 5 µg/ml for 1 hour at room temperature followed by incubation with the HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007) or the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm and nucleus. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

Immunohistochemistry



Detection of ZEB1 in Human Skeletal Muscle. ZEB1 was detected in immersion fixed paraffin-embedded sections of human skeletal muscle using Mouse Anti-Human ZEB1 Monoclonal Antibody (Catalog # MAB11504) at 5 µg/ml for 1 hour at room temperature followed by incubation with the HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007) or the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS021). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the cytoplasm and nucleus. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Zinc finger E-box-binding homeobox 1 (ZEB1; also transcription factor 8 (TCF-8)) is a 124 kDa member of the delta-EF1/ZFH-1 C2H2-type zinc finger family. Human ZEB1 is 1124 amino acids (aa) in length. The protein contains seven C2H2-type zinc fingers and one homeobox DNA-binding domain. In addition, there are eight phosphoserines and one phosphothreonine. Residues 989-1124 make up a glutamine-rich area. Within aa 430-575, human ZEB1 shares 84% and 82% aa sequence identity with mouse and rat ZEB1, respectively. The protein is expressed in heart and skeletal muscle, and defects in ZEB1 are the cause of posterior polymorphous corneal dystrophy type 3, a rare disease involving metaplasia and overgrowth of the corneal endothelial cells.

Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475