

TCF8 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252082

Unit: 0.1 mg

Description:

Zinc finger E-box-binding homeobox 1 (TCF8) inhibits interleukin-2 (IL-2) gene expression. TCF8 is responsible for transcriptional repression of the IL-2 gene. TCF8 enhances or represses the promoter activity of the ATP1A1 gene depending on the quantity of cDNA and on the cell type. TCF8 represses E-cadherin promoter and induces an epithelial-mesenchymal transition (EMT) by recruiting SMARCA4/BRG1. Defects in TCF8 are the cause of posterior polymorphous corneal dystrophy type 3 (PPCD3). PPCD is a rare disease involving metaplasia and overgrowth of corneal endothelial cells. In patients with PPCD, these cells manifest in an epithelial morphology and gene expression pattern, produce an aberrant basement membrane, and, sometimes, spread over the iris and nearby structures in a way that increases the risk for glaucoma.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H

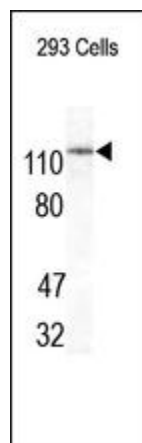
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Zinc finger E-box-binding homeobox 1; Transcription factor 8; TCF-8; NIL-2-A zinc finger protein; Negative regulator of IL2; ZEB1; AREB6; TCF8

Accession No.: P37275

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TCF8.

Application Notes: E: 1:5,000-1:20,000; WB: 1:200-1:500



The TCF8 Antibody is used in Western blot to detect TCF8 in 293 cell lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.