

Datasheet for ABIN5510728

TGFBI ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	TGFBI
Binding Specificity:	AA 24-685
Reactivity:	Rat
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat beta IG-H3/TGFBI
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: G24-G685
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Highly expressed in the corneal epithelium. .

Target Details

Target:	TGFBI
Alternative Name:	TGFBI (TGFBI Products)

Target Details

Background:	<p>Protein Function: Binds to type I, II, and IV collagens. This adhesion protein may play an important role in cell-collagen interactions. In cartilage, may be involved in endochondral bone formation.</p> <p>Background: Transforming growth factor, beta-induced, 68 kDa, also known as TGFBI (initially called BIGH3, BIG-H3), is a protein which in humans is encoded by the TGFBI gene. It is mapped to 5q31.1. This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondral bone formation in cartilage. It is induced by transforming growth factor-beta and acts to inhibit cell adhesion.</p> <p>Synonyms: Transforming growth factor-beta-induced protein ig-h3, Beta ig-h3, Kerato-epithelin, RGD-containing collagen-associated protein, RGD-CAP, TGFBI, BIGH3,</p> <p>Full Gene Name: Transforming growth factor-beta-induced protein ig-h3</p> <p>Cellular Localisation: Secreted, extracellular space, extracellular matrix. May be associated both with microfibrils and with the cell surface.</p>
-------------	---

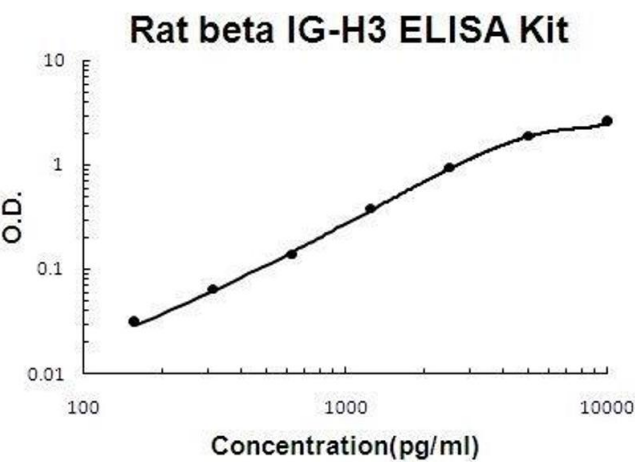
UniProt:	Q15582
----------	------------------------

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Rat beta IG-H3/TGFBI PicoKine ELISA Kit standard curve