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Datasheet for ABIN5650931

anti-TCF4 antibody (AA 500-600) (HRP)

2 Images

Overview

Quantity:	100 µg
Target:	TCF4
Binding Specificity:	AA 500-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCF4 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide from the C-terminal of Human TCF4 (500-600 aa), conjugated to Keyhole Limpet Haemocyanin (KLH).
Specificity:	Expressed in adult heart, brain, placenta, skeletal muscle and to a lesser extent in the lung. In developing embryonic tissues, expression mostly occurs in the brain., Detects 71 kDa, 45 kDa. 45 kDa band represents a different isoform .
Cross-Reactivity:	Human, Mouse
Purification:	Peptide Affinity Purified

Target Details

Target:	TCF4
Alternative Name:	TCF4 (TCF4 Products)

Target Details

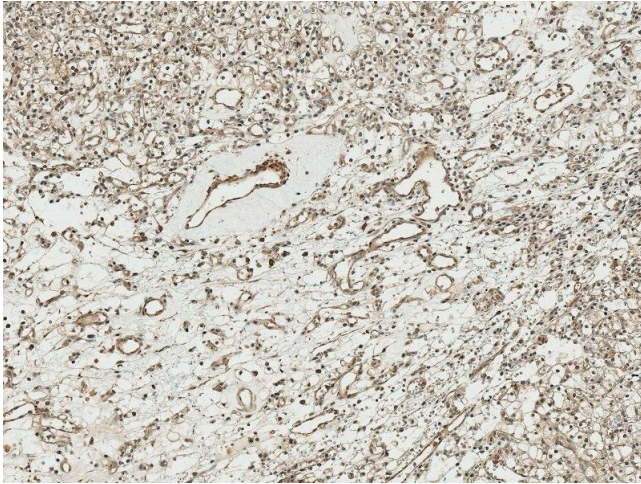
Gene ID:	6925
NCBI Accession:	NP_001077431
UniProt:	P15884
Pathways:	WNT Signaling , Positive Regulation of Peptide Hormone Secretion , Peptide Hormone Metabolism , Regulation of Hormone Metabolic Process , Carbohydrate Homeostasis , Stem Cell Maintenance , Protein targeting to Nucleus

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• IHC (1:50)• optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN5650931 was sufficient for detection of TCF4 in 15 µg of mouse liver cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

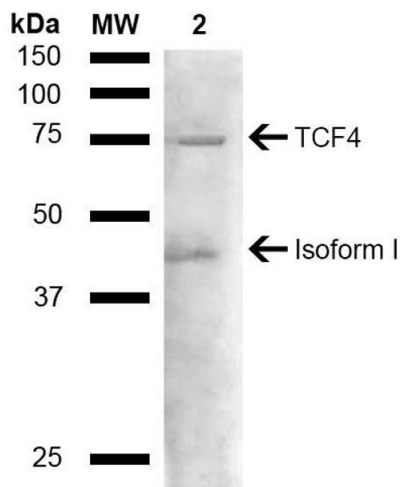
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-TCF4 Polyclonal Antibody (ABIN5650931). Tissue: Kidney. Species: Human. Fixation: Formalin Fixed Paraffin-Embedded. Primary Antibody: Rabbit Anti-TCF4 Polyclonal Antibody (ABIN5650931) at 1:50 for 30 min at RT. Counterstain: Hematoxylin. Magnification: 10X. HRP-DAB Detection.



Western Blotting

Image 2. Western blot analysis of Mouse liver lysate showing detection of ~71.3 kDa TCF4 protein using Rabbit Anti-TCF4 Polyclonal Antibody (ABIN5650931). Lane 1: Molecular Weight Ladder (MW). Lane 2: Mouse liver lysate. Load: 15 µg. Block: 5 % Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-TCF4 Polyclonal Antibody (ABIN5650931) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Rabbit HRP:IgG at 1:3000 for 1 hour at RT. Color Development: ECL solution for 5 min at RT. Predicted/Observed Size: ~71.3 kDa. Other Band(s): ~45 kDa isoform.