

# Recombinant Transcription Factor 7 Like 2 Monoclonal Antibody



Catalog Number:E-AB-81487

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

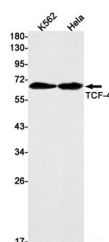
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide of human TCF-4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	R09-1D1
<b>Purification</b>	Affinity Purified
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein

## Applications Recommended Dilution

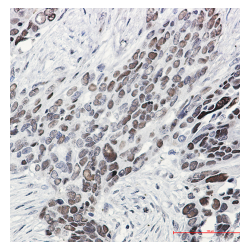
<b>WB</b>	1:500-1:1000
<b>IHC</b>	1:50-1:100

## Data



Western blot detection of TCF-4 in K562, HeLa cell lysates using TCF-4 Rabbit mAb (1:1000 diluted). Predicted band size: 68 kDa. Observed band size: 68 kDa.

**Observed Mw: 68 kDa**  
**Calculated Mw: 68 kDa**



Immunohistochemistry of TCF-4 in paraffin-embedded human cholangiocarcinoma using TCF-4 Rabbit mAb at dilution 1:50

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif 5'-CCCTTGATC-3' in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1. Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.

## For Research Use Only

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